

SHEET INDEX

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		B1CL	1			
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DWG ISSUE	CD ISSUE	DATE ISSUED	ISSUED BY
1	1	1-27-86	
2D	APPX 1D	7-31-86	
3B	APPX 2B	9-1-87	
4B	APPX 3B	6-8-87	

USED ON

FRAME SD	PROJECT	DSGN CONT
SD-5D091-01	5ESS	IM
SD-5DC12-02	5ESS	IM
SD-5D119-01	5ESS	IM

SUPPORTING INFORMATION

CATEGORY	NO.	Copyright 1988 AT&T All Rights Reserved	
EQUIPMENT DRAWING	JSD004M-1	BT13	
		5ESS® SWITCHING EQUIPMENT INTEGRATED SERVICES LINE UNIT - DRAWER CIRCUIT	
		DWG SIZE 88	ISSUE 4B
		(ISLU-D)	
		AT&T	SD-5D090-01
		SHEET A1 OF 34	

DESIGNATION MNEMONICS INDEX

MNEMONIC	ES/SYM	DEFINITION	MNEMONIC	ES/SYM	DEFINITION
+5V(H,L)(A,B)	1/13,20,28,29	+5V FOR ALL LG PACKS WITH +5VHA GOING TO LCS 16-23; +5VHB GOING TO LCS 24-31; +5VLA GOING TO LCS 00-07; AND +5VLB GOING TO LCS 08-15	R1002R15	1/2	PART OF THE SPARE LC15 FUNCTION
-48RTN		GROUND ON FAN JACK	R1004R15	1/4	PART OF THE SPARE LC31 FUNCTION
-48V	1/12	OFFICE BATTERY FOR ALL LG PACKS	SCAN(H,L)	1/12,28	SCAN SIGNAL FROM LCS TO THE LGC WITH H GOING TO LCS 16 THROUGH 31 AND L GOING TO LCS 00 THROUGH 15
-5V(H,L)	1/12,28	-5V FOR ALL LG PACKS EXCEPT LGC WITH H GOING TO LCS (16-31) AND L GOING TO LCS (00-15)	SEL(0,1)(N,P)	1/28	DIFFERENTIAL L10B SIDE SELECT LEADS FROM EACH SIDE (0,1) (N,P DIFFERENTIAL LEADS). EACH LGC PACK RECEIVES A SELECT LEAD FROM EACH SIDE.
-5VLP	1/28	-5V FOR LGC	SYNC(H,L)	1/12,28	SYNC SIGNALS TO ALL LCS FROM LGC WITH H GOING TO LCS 16 THROUGH 31 AND L GOING TO LCS 00 THROUGH 15
CLK(0,1)(N,P)	1/28	4 MHZ CLOCK FROM COMMON DATA PACKS IN COMMON SHELF (SIDE 0,1) (N,P ARE THE DIFFERENTIAL LEADS)	SYNC(0,1)(N,P)	1/28	THESE SYNCHRONIZATION SIGNALS ARE USED BY THE LGCS FOR PROPER TIME SLOT RECOGNITION (SIDE 0,1) (N,P DIFFERENTIAL LEADS)
CTS(H,L)	1/12,28	CONTROL TIME SLOT SIGNAL FROM LGC TO LCS WITH H GOING TO LCS (16-31) AND L GOING TO LCS (00-15)	T0001T15	1/1	PART OF THE SPARE LC15 FUNCTION
DEUT(H,L)(0,1)	1/12,28	DATA FROM THE LCS TO THE LGC, EVEN BITS WITH H GOING TO LCS (16-31) AND L GOING TO LCS (00-15) (GIDB 0,1)	T0003T15	1/3	PART OF THE SPARE LC31 FUNCTION
DN(H,L)(0,1)	1/12,28	DATA FROM THE LGC TO THE LCS WITH H GOING TO LCS (16-31) AND L GOING TO LCS (00-15) (GIDB 0,1)	T1002T15	1/2	PART OF THE SPARE LC15 FUNCTION
DN(0,1)(N,P)	1/28	SERIAL DATA PATH TO THE COMMON DATA PACKS FROM THE LGC (SIDE 0,1) (N,P DIFFERENTIAL LEADS)	T1004T15	1/4	PART OF THE SPARE LC31 FUNCTION
DUT(H,L)(0,1)	1/12,28	DATA PATH FROM THE LCS TO THE LGC ODD BITS, WITH H GOING TO LCS (16-31) AND L GOING TO LCS (00-15) (GIDB 0,1)	00SPR(0,1)(R,T)(0,1)	1/5	SPARE BUS FROM SERVICE GROUP (0,1); (RING,TIP)(0,1)
DUT(0,1)(N,P)	1/28	SERIAL DATA PATH TO THE COMMON DATA PACKS FROM THE LGC (SIDE 0,1) (N,P DIFFERENTIAL LEADS)	4MCK(H,L)(A,B)	1/12,20,28	4 MHZ CLOCK FROM THE LGC TO ALL LCS WITH 4MCKHB GOING TO LCS 24 - 31; 4MCKHA GOING TO LCS 16-23; 4MCKLB GOING TO LCS 8-15 AND 4MCKLA GOING TO LCS 00-07.
FAN000		FAN ALARM SCAN AND DISTRIBUTE LEADS	46ALM(1,2)	1/29	REMOTE START LEADS FOR THE LGP
FAN001		FAN ALARM SCAN AND DISTRIBUTE LEAD			
FAN100		FAN ALARM SCAN AND DISTRIBUTE LEAD			
FAN101		FAN ALARM SCAN AND DISTRIBUTE LEAD			
GRD(EOLNUMBER)		GROUND			
LGCSYNC	1/28-29	256KHZ LINE GROUP POWER SUPPLY SYNCHRONIZATION SIGNAL			
RESET(0-31)	1/12-28	RESET SIGNALS FROM THE LGC TO LCS (00-31)			
(R,T)(0,1)GB(H,L)	1/12,30	(RING,TIP)(0,1) OF THE LINE GROUP BUS WITH H GOING TO LCS 16 THROUGH 31 AND L GOING TO LCS 00 THROUGH 15			
(R,T)(0,1)LC(0-31)	1/12-27,30-45	(RING,TIP)(0,1) FOR LC (0 THROUGH 31)			
R0001R15	1/1	PART OF THE SPARE LC15 FUNCTION			
R0003R15	1/3	PART OF THE SPARE LC31 FUNCTION			

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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE A2
AT&T	SD-5D090-01	ISSUE 4B

0 1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G
H

APPARATUS INDEX

CODE	EQUIP LOC	FS/SYM
LINE CARD 00 (NOTES 305-307, 316)	07-050	1/12
LINE CARD 01 (NOTES 305-307, 316)	07-058	1/13
LINE CARD 02 (NOTES 305-307, 316)	07-065	1/14
LINE CARD 03 (NOTES 305-307, 316)	07-073	1/15
LINE CARD 04 (NOTES 305-307, 316)	07-080	1/16
LINE CARD 05 (NOTES 305-307, 316)	07-088	1/17
LINE CARD 06 (NOTES 305-307, 316)	07-095	1/18
LINE CARD 07 (NOTES 305-307, 316)	07-103	1/19
LINE CARD 08 (NOTES 305-307, 316)	07-125	1/20
LINE CARD 09 (NOTES 305-307, 316)	07-133	1/21
LINE CARD 10 (NOTES 305-307, 316)	07-140	1/22
LINE CARD 11 (NOTES 305-307, 316)	07-148	1/23
LINE CARD 12 (NOTES 305-307, 316)	07-155	1/24
LINE CARD 13 (NOTES 305-307, 316)	07-163	1/25
LINE CARD 14 (NOTES 305-307, 316)	07-170	1/26
LINE CARD 15 (NOTES 305-307, 316)	07-178	1/27
LINE GROUP CONTROL	09-110	1/28
LINE GROUP POWER	09-118	1/29
LINE CARD 16 (NOTES 305-307, 316)	11-050	1/30
LINE CARD 17 (NOTES 305-307, 316)	11-058	1/31
LINE CARD 18 (NOTES 305-307, 316)	11-065	1/32
LINE CARD 19 (NOTES 305-307, 316)	11-073	1/33
LINE CARD 20 (NOTES 305-307, 316)	11-080	1/34
LINE CARD 21 (NOTES 305-307, 316)	11-088	1/35
LINE CARD 22 (NOTES 305-307, 316)	11-095	1/36
LINE CARD 23 (NOTES 305-307, 316)	11-103	1/37
LINE CARD 24 (NOTES 305-307, 316)	11-125	1/38
LINE CARD 25 (NOTES 305-307, 316)	11-133	1/39
LINE CARD 26 (NOTES 305-307, 316)	11-140	1/40
LINE CARD 27 (NOTES 305-307, 316)	11-148	1/41
LINE CARD 28 (NOTES 305-307, 316)	11-155	1/42
LINE CARD 29 (NOTES 305-307, 316)	11-163	1/43
LINE CARD 30 (NOTES 305-307, 316)	11-170	1/44
LINE CARD 31 (NOTES 305-307, 316)	11-178	1/45

LEAD INDEX
SEE CAD 1

OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
U	STD 3	302, 303	D3A
V	STD 3	302, 303	D3A
W	STD 3	302, 303	D3A
X	STD 3	302, 303	D3A
Y	STD 3	302	D3A
Z	STD 3	302	D3A
T	STD 4	302, 303	D3A
S	STD 4	302, 303	D3A
R	STD 4	302, 303	D3A
Q	STD 4	302, 303	D3A
N	STD 4	302, 303	D3A
M	STD 4	302, 303	D3A
K	STD 4	302, 303	D3A
J	STD 4	302, 303	D3A
G	STD 4	302, 303	D3A
F	STD 4	302, 303	D3A
E	STD 4	302, 303	D3A
B	STD 4	302, 303	D3A
A	STD 4	302, 303	D3A

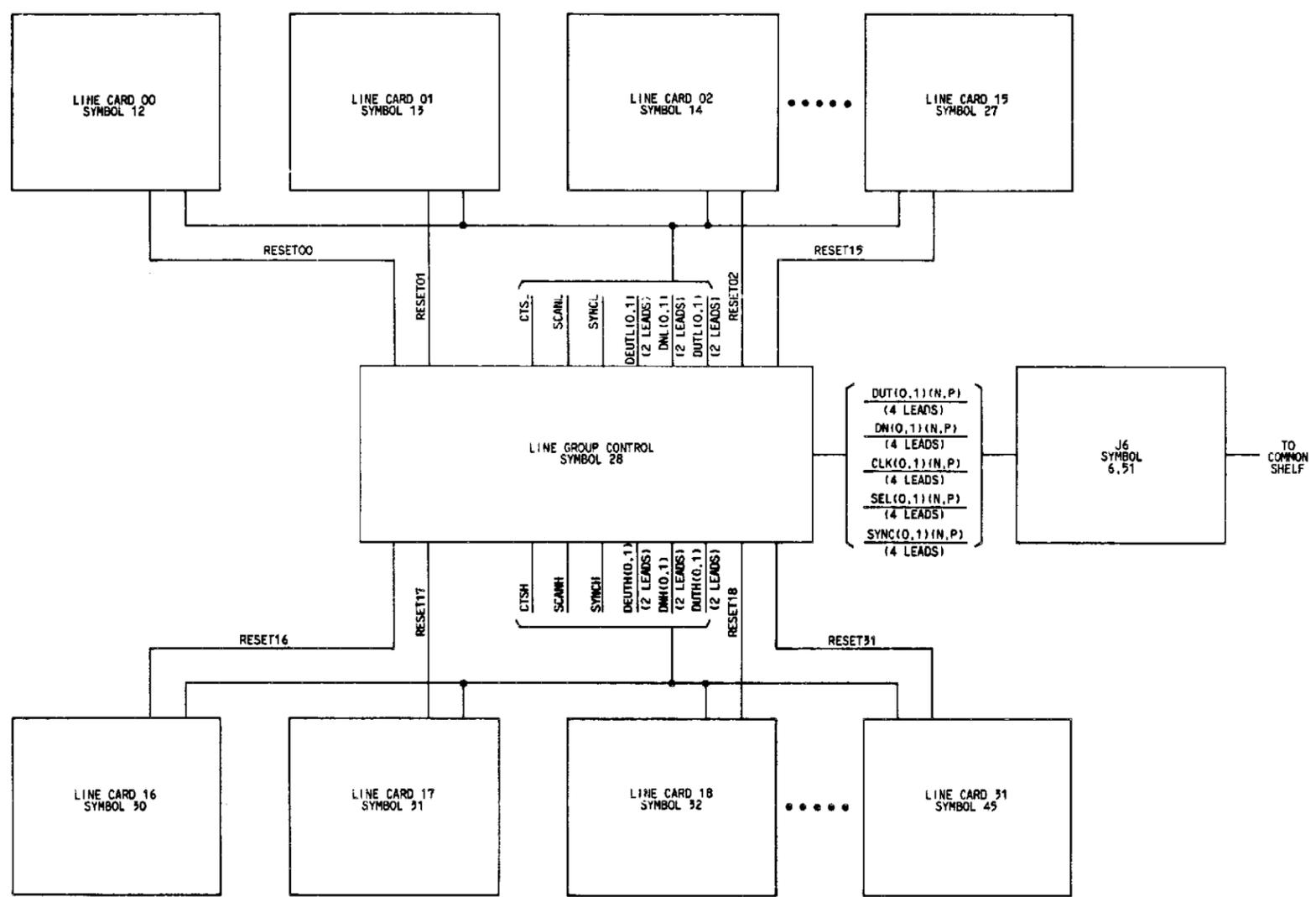
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INTEGRATED SERVICES LINE UNIT-DRAWER		DWG SIZE 68	ISSUE 4B
AT&T	SD-50090-01	SHEET A3	

0 1 2 3 4 5 6 7 8 9

PART OF FS I
LINE GROUP CONTROL

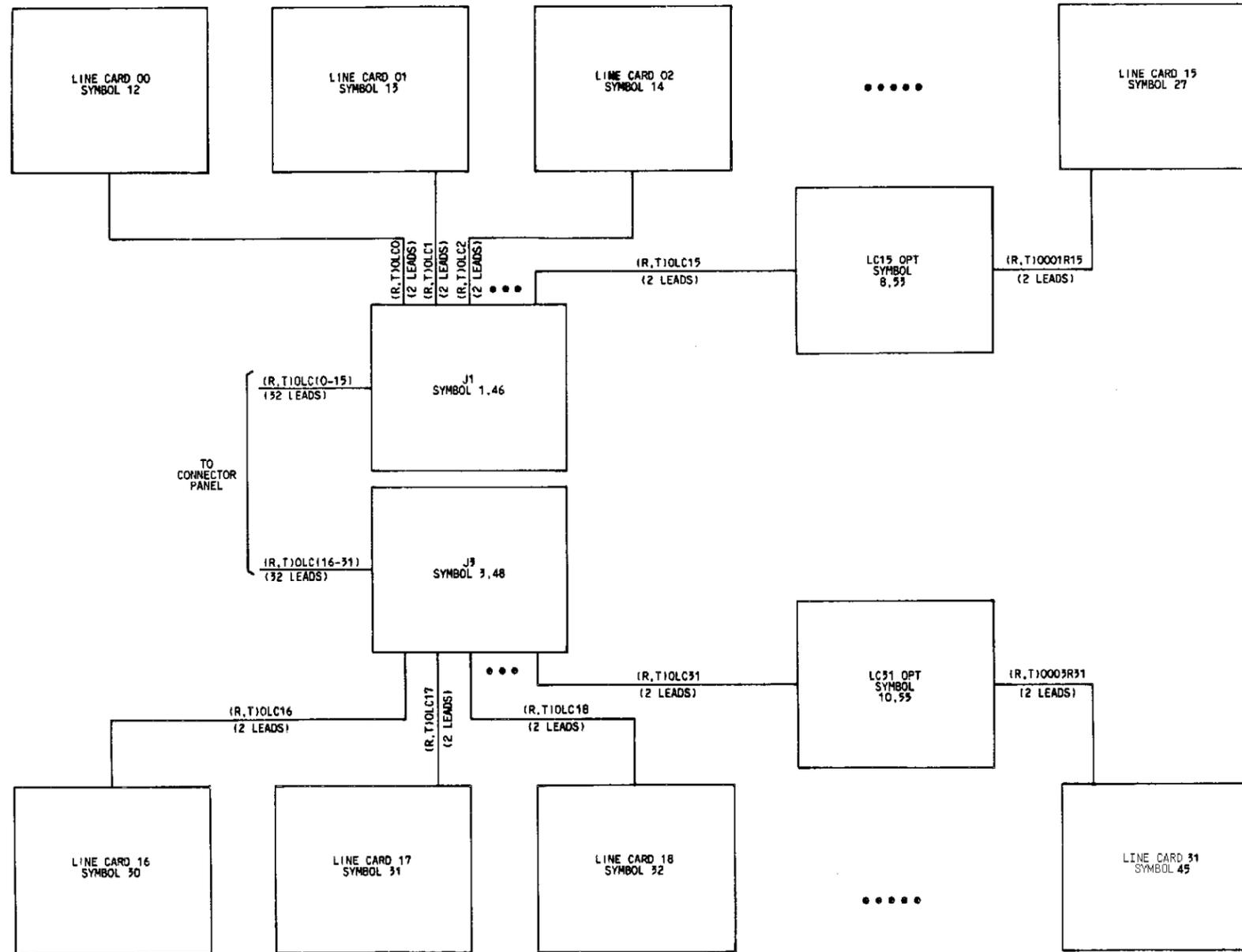
NOTE:
1. LINE CARD 08 CAN ALSO BE A POWER SUPPLY.



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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE 88	ISSUE /
AT&T BELL LABORATORIES		SD-50090-01	SHEET B1A A

PART OF FS I
TIP & RING

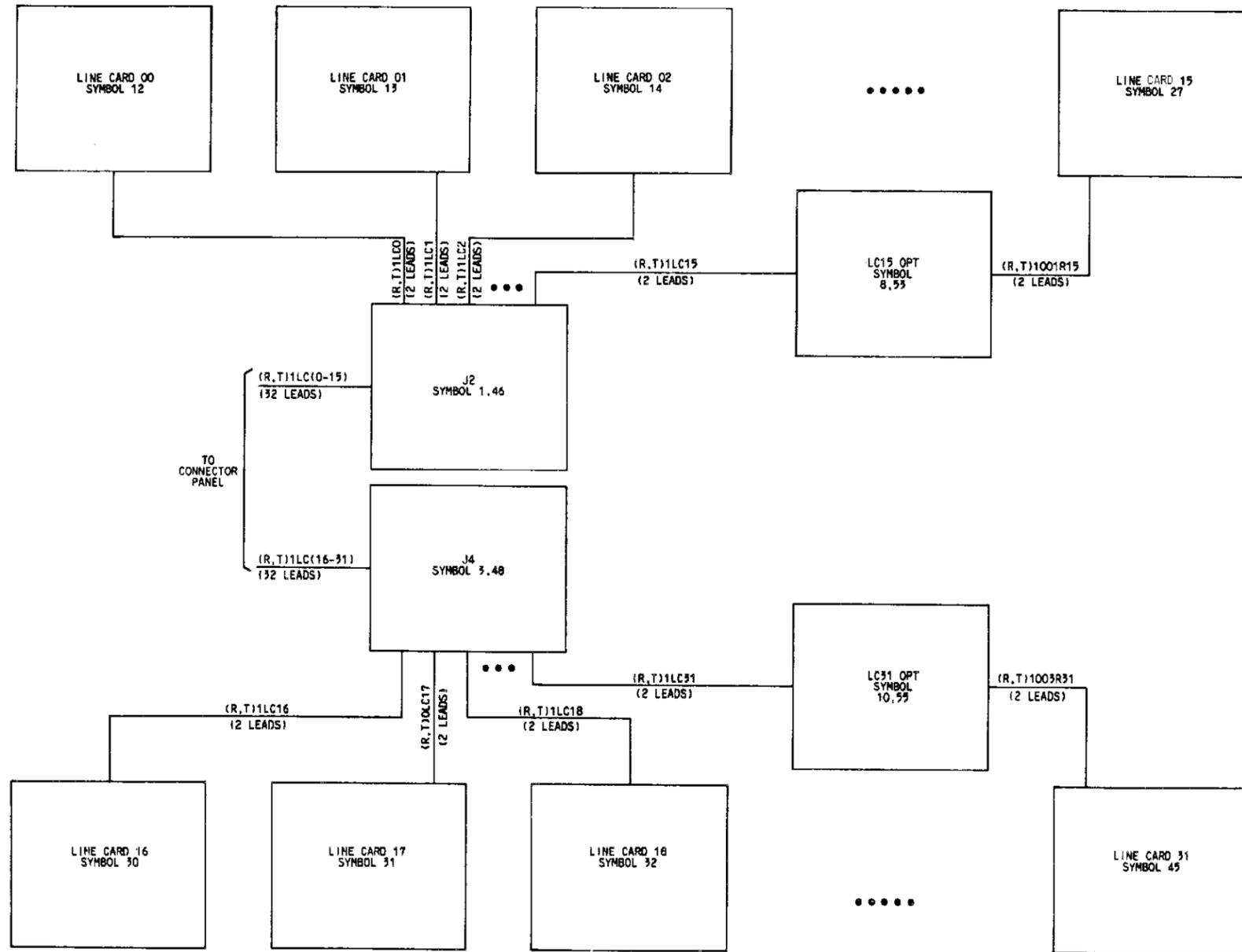


TO
CONNECTOR
PANEL

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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE 00	ISSUE 1
AT&T BELL LABORATORIES SD-5D090-01		SHEET BIAB	

PART OF FS I
TIP & RING

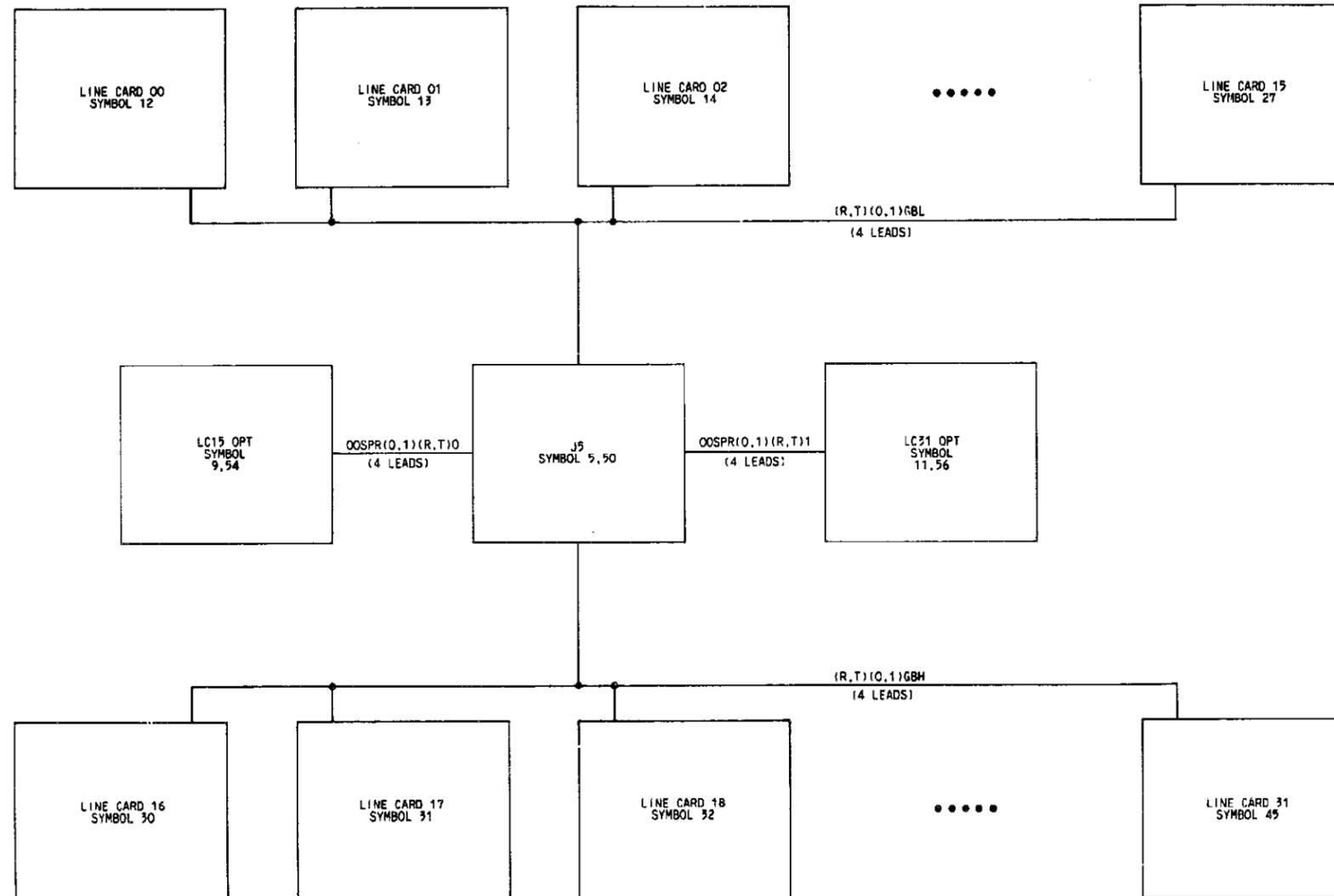


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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE 88	ISSUE /
AT&T BELL LABORATORIES SD-50090-01		SHEET BIAC	

PART OF FS 1

SPARE AND RINGING BUS



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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE 85	ISSUE /
AT&T BELL LABORATORIES SD-5D090-01		SHEET BIAD	

PART OF FS 1
LINE GROUP 00

SYMBOL NO. 1
TIP AND RING, LEFT SIDE

SYMBOL NO. 2
TIP AND RING, LEFT SIDE

SYMBOL NO. 3
TIP AND RING, LEFT SIDE

SYMBOL NO. 1							SYMBOL NO. 2							SYMBOL NO. 3						
DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			DESIG	EQPT LOC	CODE	ELEM IDENT	OPT		
J1	07-030	TERMINAL FIELD	A				J2	08-036	TERMINAL FIELD	A				J3	11-036	TERMINAL FIELD	A			
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROLC0	10		103	Z	1/12 TO CAD 1 - 01		R1LC0	10		117	Z	1/12 TO CAD 1 - 02		ROLC16	10		141	Z	1/30 TO CAD 1 - 03	
ROLC1	10		104	Z	1/13 TO CAD 1 - 01		R1LC1	10		118	Z	1/13 TO CAD 1 - 02		ROLC17	10		142	Z	1/31 TO CAD 1 - 03	
ROLC10	10		113	Z	1/22 TO CAD 1 - 01		R1LC10	10		127	Z	1/22 TO CAD 1 - 02		ROLC18	10		143	Z	1/32 TO CAD 1 - 03	
ROLC11	10		114	Z	1/23 TO CAD 1 - 01		R1LC11	10		128	Z	1/23 TO CAD 1 - 02		ROLC19	10		144	Z	1/33 TO CAD 1 - 03	
ROLC12	10		115	Z	1/24 TO CAD 1 - 01		R1LC12	10		129	Z	1/24 TO CAD 1 - 02		ROLC20	10		145	Z	1/34 TO CAD 1 - 03	
ROLC13	10		116	Z	1/25 TO CAD 1 - 01		R1LC13	10		130	Z	1/25 TO CAD 1 - 02		ROLC21	10		146	Z	1/35 TO CAD 1 - 03	
ROLC14	10		117	Z	1/26 TO CAD 1 - 01		R1LC14	10		131	Z	1/26 TO CAD 1 - 02		ROLC22	10		147	Z	1/36 TO CAD 1 - 03	
ROLC2	10		105	Z	1/14 TO CAD 1 - 01		R1LC2	10		119	Z	1/14 TO CAD 1 - 02		ROLC23	10		148	Z	1/37 TO CAD 1 - 03	
ROLC3	10		106	Z	1/15 TO CAD 1 - 01		R1LC3	10		120	Z	1/15 TO CAD 1 - 02		ROLC24	10		149	Z	1/38 TO CAD 1 - 03	
ROLC4	10		107	Z	1/16 TO CAD 1 - 01		R1LC4	10		121	Z	1/16 TO CAD 1 - 02		ROLC25	10		150	Z	1/39 TO CAD 1 - 03	
ROLC5	10		108	Z	1/17 TO CAD 1 - 01		R1LC5	10		122	Z	1/17 TO CAD 1 - 02		ROLC26	10		151	Z	1/40 TO CAD 1 - 03	
ROLC6	10		109	Z	1/18 TO CAD 1 - 01		R1LC6	10		123	Z	1/18 TO CAD 1 - 02		ROLC27	10		152	Z	1/41 TO CAD 1 - 03	
ROLC7	10		110	Z	1/19 TO CAD 1 - 01		R1LC7	10		124	Z	1/19 TO CAD 1 - 02		ROLC28	10		153	Z	1/42 TO CAD 1 - 03	
ROLC8	10		111	Z	1/20 TO CAD 1 - 01		R1LC8	10		125	Z	1/20 TO CAD 1 - 02		ROLC29	10		154	Z	1/43 TO CAD 1 - 03	
ROLC9	10		112	Z	1/21 TO CAD 1 - 01		R1LC9	10		126	Z	1/21 TO CAD 1 - 02		ROLC30	10		155	Z	1/44 TO CAD 1 - 03	
R0001R15	10		118	Z	(2)1/8 TO CAD 1 - 01		R1002R15	10		132	Z	(2)1/8 TO CAD 1 - 02		R0003R15	10		156	Z	(2)1/10 TO CAD 1 - 03	
TOLC0	10		003	Z	1/12 TO CAD 1 - 01		T1LC0	10		017	Z	1/12 TO CAD 1 - 02		TOLC16	10		041	Z	1/30 TO CAD 1 - 03	
TOLC1	10		004	Z	1/13 TO CAD 1 - 01		T1LC1	10		018	Z	1/13 TO CAD 1 - 02		TOLC17	10		042	Z	1/31 TO CAD 1 - 03	
TOLC10	10		013	Z	1/22 TO CAD 1 - 01		T1LC10	10		027	Z	1/22 TO CAD 1 - 02		TOLC18	10		043	Z	1/32 TO CAD 1 - 03	
TOLC11	10		014	Z	1/23 TO CAD 1 - 01		T1LC11	10		028	Z	1/23 TO CAD 1 - 02		TOLC19	10		044	Z	1/33 TO CAD 1 - 03	
TOLC12	10		015	Z	1/24 TO CAD 1 - 01		T1LC12	10		029	Z	1/24 TO CAD 1 - 02		TOLC20	10		045	Z	1/34 TO CAD 1 - 03	
TOLC13	10		016	Z	1/25 TO CAD 1 - 01		T1LC13	10		030	Z	1/25 TO CAD 1 - 02		TOLC21	10		046	Z	1/35 TO CAD 1 - 03	
TOLC14	10		017	Z	1/26 TO CAD 1 - 01		T1LC14	10		031	Z	1/26 TO CAD 1 - 02		TOLC22	10		047	Z	1/36 TO CAD 1 - 03	
TOLC2	10		005	Z	1/14 TO CAD 1 - 01		T1LC2	10		019	Z	1/14 TO CAD 1 - 02		TOLC23	10		048	Z	1/37 TO CAD 1 - 03	
TOLC3	10		006	Z	1/15 TO CAD 1 - 01		T1LC3	10		020	Z	1/15 TO CAD 1 - 02		TOLC24	10		049	Z	1/38 TO CAD 1 - 03	
TOLC4	10		007	Z	1/16 TO CAD 1 - 01		T1LC4	10		021	Z	1/16 TO CAD 1 - 02		TOLC25	10		050	Z	1/39 TO CAD 1 - 03	
TOLC5	10		008	Z	1/17 TO CAD 1 - 01		T1LC5	10		022	Z	1/17 TO CAD 1 - 02		TOLC26	10		051	Z	1/40 TO CAD 1 - 03	
TOLC6	10		009	Z	1/18 TO CAD 1 - 01		T1LC6	10		023	Z	1/18 TO CAD 1 - 02		TOLC27	10		052	Z	1/41 TO CAD 1 - 03	
TOLC7	10		010	Z	1/19 TO CAD 1 - 01		T1LC7	10		024	Z	1/19 TO CAD 1 - 02		TOLC28	10		053	Z	1/42 TO CAD 1 - 03	
TOLC8	10		011	Z	1/20 TO CAD 1 - 01		T1LC8	10		025	Z	1/20 TO CAD 1 - 02		TOLC29	10		054	Z	1/43 TO CAD 1 - 03	
TOLC9	10		012	Z	1/21 TO CAD 1 - 01		T1LC9	10		026	Z	1/21 TO CAD 1 - 02		TOLC30	10		055	Z	1/44 TO CAD 1 - 03	
T0001T15	10		018	Z	(2)1/8 TO CAD 1 - 01		T1002T15	10		032	Z	(2)1/8 TO CAD 1 - 02		T0003T15	10		056	Z	(2)1/10 TO CAD 1 - 03	

PART OF FS 1
SYMBOL(S) 1 2 3

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INTEGRATED SERVICES LINE UNIT- DRAWER		DWG SIZE C2
AT&T BELL LABORATORIES		ISSUE 1
SD-50090-01		B1CA

PART OF FS 1
LINE GROUP 00

SYMBOL NO. 4
TIP AND RING, LEFT SIDE

SYMBOL NO. 5
LIDB, LEFT SIDE

SYMBOL NO. 6 (CONT)
LIDB, LEFT SIDE

SYMBOL NO. 7 (CONT)
POWER, LEFT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
J4	11-030B	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
J5	11-040	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
J6	11-042	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
J7	07-042	TERMINAL FIELD	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
R1LC16	IO		145	Z	1/30 TO CAD 1 - 04	
R1LC17	IO		146	Z	1/31 TO CAD 1 - 04	
R1LC18	IO		147	Z	1/32 TO CAD 1 - 04	
R1LC19	IO		148	Z	1/33 TO CAD 1 - 04	
R1LC20	IO		149	Z	1/34 TO CAD 1 - 04	
R1LC21	IO		150	Z	1/35 TO CAD 1 - 04	
R1LC22	IO		151	Z	1/36 TO CAD 1 - 04	
R1LC23	IO		152	Z	1/37 TO CAD 1 - 04	
R1LC24	IO		153	Z	1/38 TO CAD 1 - 04	
R1LC25	IO		154	Z	1/39 TO CAD 1 - 04	
R1LC26	IO		155	Z	1/40 TO CAD 1 - 04	
R1LC27	IO		156	Z	1/41 TO CAD 1 - 04	
R1LC28	IO		157	Z	1/42 TO CAD 1 - 04	
R1LC29	IO		158	Z	1/43 TO CAD 1 - 04	
F1LC30	IO		159	Z	1/44 TO CAD 1 - 04	
R1004R15	IO		160	Z	(2)1/11 TO CAD 1 - 04	
T1LC16	IO		045	Z	1/30 TO CAD 1 - 04	
T1LC17	IO		046	Z	1/31 TO CAD 1 - 04	
T1LC18	IO		047	Z	1/32 TO CAD 1 - 04	
T1LC19	IO		048	Z	1/33 TO CAD 1 - 04	
T1LC20	IO		049	Z	1/34 TO CAD 1 - 04	
T1LC21	IO		050	Z	1/35 TO CAD 1 - 04	
T1LC22	IO		051	Z	1/36 TO CAD 1 - 04	
T1LC23	IO		052	Z	1/37 TO CAD 1 - 04	
T1LC24	IO		053	Z	1/38 TO CAD 1 - 04	
T1LC25	IO		054	Z	1/39 TO CAD 1 - 04	
T1LC26	IO		055	Z	1/40 TO CAD 1 - 04	
T1LC27	IO		056	Z	1/41 TO CAD 1 - 04	
T1LC28	IO		057	Z	1/42 TO CAD 1 - 04	
T1LC29	IO		058	Z	1/43 TO CAD 1 - 04	
T1LC30	IO		059	Z	1/44 TO CAD 1 - 04	
T1004T15	IO		060	Z	(2)1/11 TO CAD 1 - 04	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROGBH	IO		056	Z	1/30 TO CAD 1 - 05	
ROGBL	IO		053	Z	1/12 TO CAD 1 - 05	
R1GBH	IO		055	Z	1/30 TO CAD 1 - 05	
R1GBL	IO		052	Z	1/12 TO CAD 1 - 05	
TOGBH	IO		156	Z	1/30 TO CAD 1 - 05	
TOGBL	IO		153	Z	1/12 TO CAD 1 - 05	
T1GBH	IO		155	Z	1/30 TO CAD 1 - 05	
T1GBL	IO		152	Z	1/12 TO CAD 1 - 05	
00SPR0R0	IO		051	Z	(2)1/8 TO CAD 1 - 05	
00SPR0R1	IO		058	Z	(2)1/9 TO CAD 1 - 05	
00SPR0T0	IO		151	Z	(2)1/8 TO CAD 1 - 05	
00SPR0T1	IO		158	Z	(2)1/9 TO CAD 1 - 05	
00SPR1R0	IO		050	Z	(2)1/8 TO CAD 1 - 05	
00SPR1R1	IO		057	Z	(2)1/9 TO CAD 1 - 05	
00SPR1T0	IO		150	Z	(2)1/8 TO CAD 1 - 05	
00SPR1T1	IO		157	Z	(2)1/9 TO CAD 1 - 05	
48ALM1	IO		161	Z	1/29 TO CAD 1 - 05	
48ALM2	IO		061	Z	1/29 TO CAD 1 - 05	

SYMBOL NO. 6
LIDB, LEFT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
J6	11-042	TERMINAL FIELD	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CLK0N	IO		041	Z	1/28 TO CAD 1 - 06	
CLK0P	IO		141	Z	1/28 TO CAD 1 - 06	
CLK1M	IO		035	Z	1/28 TO CAD 1 - 06	
CLK1P	IO		135	Z	1/28 TO CAD 1 - 06	
DN0N	IO		044	Z	1/28 TO CAD 1 - 06	
DN0P	IO		144	Z	1/28 TO CAD 1 - 06	
DN1N	IO		038	Z	1/28 TO CAD 1 - 06	
DN1P	IO		138	Z	1/28 TO CAD 1 - 06	
DUT0N	IO		045	Z	1/28 TO CAD 1 - 06	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DUT0P	IO		145	Z	1/28 TO CAD 1 - 06	
DUT1N	IO		039	Z	1/28 TO CAD 1 - 06	
DUT1P	IO		139	Z	1/28 TO CAD 1 - 06	
FAN000	IO		040	Z	(2)2/1 TO CAD 1 - 06	
FAN001	IO		046	Z	(2)2/1 TO CAD 1 - 06	
FAN100	IO		140	Z	(2)2/1 TO CAD 1 - 06	
FAN101	IO		146	Z	(2)2/1 TO CAD 1 - 06	
SEL0N	IO		043	Z	1/28 TO CAD 1 - 06	
SEL0P	IO		143	Z	1/28 TO CAD 1 - 06	
SEL1N	IO		037	Z	1/28 TO CAD 1 - 06	
SEL1P	IO		137	Z	1/28 TO CAD 1 - 06	
SYN0N	IO		042	Z	1/28 TO CAD 1 - 06	
SYN0P	IO		142	Z	1/28 TO CAD 1 - 06	
SYN1N	IO		036	Z	1/28 TO CAD 1 - 06	
SYN1P	IO		136	Z	1/28 TO CAD 1 - 06	

SYMBOL NO. 7
POWER, LEFT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
J7	07-042	TERMINAL FIELD	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
-48RTN	GRD		102	Z	TO CAD 1 - 07	
	GRD		103	Z	TO CAD 1 - 07	
	GRD		104	Z	TO CAD 1 - 07	
	GRD		105	Z	TO CAD 1 - 07	
	GRD		106	Z	TO CAD 1 - 07	
	GRD		107	Z	TO CAD 1 - 07	
	GRD		108	Z	TO CAD 1 - 07	
	GRD		109	Z	TO CAD 1 - 07	
	GRD		110	Z	TO CAD 1 - 07	
	GRD		111	Z	TO CAD 1 - 07	
	GRD		112	Z	TO CAD 1 - 07	
	GRD		113	Z	TO CAD 1 - 07	
	GRD		114	Z	TO CAD 1 - 07	
	GRD		115	Z	TO CAD 1 - 07	
	GRD		116	Z	TO CAD 1 - 07	
-48V	PWR		002	Z	1/12 TO CAD 1 - 07	
	PWR		003	Z	1/12 TO CAD 1 - 07	
	PWR		004	Z	1/12 TO CAD 1 - 07	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	PWR		005	Z	1/12 TO CAD 1 - 07	
	PWR		006	Z	1/12 TO CAD 1 - 07	
	PWR		007	Z	1/12 TO CAD 1 - 07	
	PWR		008	Z	1/12 TO CAD 1 - 07	
	PWR		009	Z	1/12 TO CAD 1 - 07	
	PWR		010	Z	1/12 TO CAD 1 - 07	
	PWR		011	Z	1/12 TO CAD 1 - 07	
	PWR		012	Z	1/12 TO CAD 1 - 07	
	PWR		013	Z	1/12 TO CAD 1 - 07	
	PWR		014	Z	1/12 TO CAD 1 - 07	
	PWR		015	Z	1/12 TO CAD 1 - 07	
	PWR		016	Z	1/12 TO CAD 1 - 07	

SYMBOL NO. 8
LC15 OPTION, LEFT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC15OPT	06-035A	TERMINAL FIELD	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL15	IO		001	Z	1/27 TO CAD 1 - 08	
R1LC15	IO		003	Z	1/27 TO CAD 1 - 08	
TOL15	IO		000	Z	1/27 TO CAD 1 - 08	
T1LC15	IO		002	Z	1/27 TO CAD 1 - 08	
00SPR0R0	IO		101	Z	(2)1/5 TO CAD 1 - 08	
00SPR0T0	IO		100	Z	(2)1/5 TO CAD 1 - 08	
00SPR1R0	IO		103	Z	(2)1/5 TO CAD 1 - 08	
00SPR1T0	IO		102	Z	(2)1/5 TO CAD 1 - 08	

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PART OF FS 1
LINE GROUP 00

SYMBOL NO. 9
LC15 OPTION, LEFT SIDE

SYMBOL NO. 11
LC31 OPTION, LEFT SIDE

SYMBOL NO. 12 (CONT)
LINE CARD 00

SYMBOL NO. 12 (CONT)
LINE CARD 00

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC15OPT	06-038A	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC31OPT	06-038B	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC00	07-050	(SEE NOTE 305-307)	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC00	07-050	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL15	IO		001	Z	1/27 TO CAD 1 - 09	
R1LC15	IO		003	Z	1/27 TO CAD 1 - 09	
TOLC15	IO		000	Z	1/27 TO CAD 1 - 09	
T1LC15	IO		002	Z	1/27 TO CAD 1 - 09	
00SPR0R0	IO		101	Z	(Z)1/5 TO CAD 1 - 09	
00SPROT0	IO		100	Z	(Z)1/5 TO CAD 1 - 09	
00SPR1R0	IO		103	Z	(Z)1/5 TO CAD 1 - 09	
00SPR1T0	IO		102	Z	(Z)1/5 TO CAD 1 - 09	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL31	IO		008	Z	1/45 TO CAD 1 - 11	
R1LC31	IO		010	Z	1/45 TO CAD 1 - 11	
TOLC31	IO		007	Z	1/45 TO CAD 1 - 11	
T1LC31	IO		009	Z	1/45 TO CAD 1 - 11	
00SPR0R1	IO		108	Z	(Z)1/5 TO CAD 1 - 11	
00SPROT1	IO		107	Z	(Z)1/5 TO CAD 1 - 11	
00SPR1R1	IO		110	Z	(Z)1/5 TO CAD 1 - 11	
00SPR1T1	IO		109	Z	(Z)1/5 TO CAD 1 - 11	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DEUTL1	IO		008		1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28 1/13, 1/14 1/17, 1/18 1/19, 1/20 1/21, 1/22	
DNL0	IO		000		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
DNL1	IO		001		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
OUTL0	IO		005		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
OUTL1	IO		007		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SYNCL	IO		004		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
TOGBL	IO		115		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
TOLC0	IO		117		(Y)1/46, (Z)1/1	
T1GBL	IO		116		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
T1LC0	IO		118		(Y)1/47, (Z)1/2	
4MCKLA	IO		003		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20	

SYMBOL NO. 10
LC31 OPTION, LEFT SIDE

SYMBOL NO. 12
LINE CARD 00

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC31OPT	06-035B	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC00	07-050	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL31	IO		108	Z	1/45 TO CAD 1 - 10	
R0003R15	IO		008	Z	(Z)1/3 TO CAD 1 - 10	
R1LC31	IO		110	Z	1/45 TO CAD 1 - 10	
R1004R15	IO		010	Z	(Z)1/4 TO CAD 1 - 10	
TOLC31	IO		107	Z	1/45 TO CAD 1 - 10	
T0003T15	IO		007	Z	(Z)1/3 TO CAD 1 - 10	
T1LC31	IO		109	Z	1/45 TO CAD 1 - 10	
T1004T15	IO		009	Z	(Z)1/4 TO CAD 1 - 10	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLA	PHR		102		1/12 1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22	
-48V	PHR		114		1/12 1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22	
	PHR		014		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28 1/29, 1/30 1/31, 1/32 1/33, 1/34 1/35, 1/36 1/37, 1/38 1/39, 1/40 1/41, 1/42 1/43, 1/44 1/45, 1/46 (Y)1/52, (Z)1/7	
-5V	PHR		110		1/12 1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28 1/29, 1/30	
	PHR		010		1/12 1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28 1/29, 1/30	
CTSL	IO		012		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28 1/29, 1/30	
DEUTL0	IO		006		1/13, 1/14 1/15, 1/16 1/17, 1/18	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
GRD02050	GRD		013		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
	GRD		103		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
	GRD		104		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
	GRD		105		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
	GRD		106		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
	GRD		107		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
	GRD		113		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
RESETO	IO		108		1/28 1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
ROGBL	IO		015		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
ROLCO	IO		017		(Y)1/46, (Z)1/1	
R1GBL	IO		016		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20 1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	
R1LCO	IO		018		(Y)1/47, (Z)1/2	
SCANL	IO		011		1/13, 1/14 1/15, 1/16	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
T1LC0	IO		118		(Y)1/47, (Z)1/2	
4MCKLA	IO		003		1/13, 1/14 1/15, 1/16 1/17, 1/18 1/19, 1/20	

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LINE GROUP 00

SYMBOL NO. 13
LINE CARD 01

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC01	07-058	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VLA	PWR		002	1/12	
	PWR		102	1/12	
	PWR		103	1/12	
-48V	PWR		014	1/12	
	PWR		114	1/12	
-5VL	PWR		010	1/12	
CTSL	PWR		110	1/12	
DEUTL0	ID		012	1/12	
	ID		006	1/12	
DEUTL1	ID		008	1/12	
DNLO	ID		000	1/12	
DNL1	ID		001	1/12	
DUTL0	ID		005	1/12	
DUTL1	ID		007	1/12	
GRD02058	GRD		013	1/12	
	GRD		100		
	GRD		104		
	GRD		105		
	GRD		106		
	GRD		107		
	GRD		113		
RESET1	ID		108	1/28	
ROGBL	ID		015	1/12	
ROLC1	ID		017	(Y)1/46, (Z)1/1	
R1GBL	ID		016	1/12	
R1LC1	ID		018	(Y)1/47, (Z)1/2	
SCANL	ID		011	1/12	
SYNCL	ID		004	1/12	
TOGBL	ID		115	1/12	
TOLC1	ID		117	(Y)1/46, (Z)1/1	
T1GBL	ID		116	1/12	
T1LC1	ID		118	(Y)1/47, (Z)1/2	
4MCKLA	ID		003	1/12	

SYMBOL NO. 14
LINE CARD 02

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC02	07-065	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VLA	PWR		002	1/12	
	PWR		102	1/12	
	PWR		104	1/12	
-48V	PWR		014	1/12	
	PWR		114	1/12	
-5VL	PWR		010	1/12	
CTSL	PWR		110	1/12	
DEUTL8	ID		012	1/12	
	ID		006	1/12	
DEUTL1	ID		008	1/12	
DNLO	ID		000	1/12	
DNL1	ID		001	1/12	

SYMBOL NO. 14 (CONT)
LINE CARD 02

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC02	07-065	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
DUTL0	ID		005	1/12	
DUTL1	ID		007	1/12	
GRD02065	GRD		013		
	GRD		100		
	GRD		103		
	GRD		105		
	GRD		106		
	GRD		107		
	GRD		113		
RESET2	ID		108	1/28	
ROGBL	ID		015	1/12	
ROLC2	ID		017	(Y)1/46, (Z)1/1	
R1GBL	ID		016	1/12	
R1LC2	ID		018	(Y)1/47, (Z)1/2	
SCANL	ID		011	1/12	
SYNCL	ID		004	1/12	
TOGBL	ID		115	1/12	
TOLC2	ID		117	(Y)1/46, (Z)1/1	
T1GBL	ID		116	1/12	
T1LC2	ID		118	(Y)1/47, (Z)1/2	
4MCKLA	ID		003	1/12	

SYMBOL NO. 15
LINE CARD 03

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC03	07-073	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VLA	PWR		002	1/12	
	PWR		102	1/12	
	PWR		103	1/12	
-48V	PWR		014	1/12	
	PWR		114	1/12	
-5VL	PWR		010	1/12	
CTSL	PWR		110	1/12	
DEUTL0	ID		006	1/12	
DEUTL1	ID		008	1/12	
DNLO	ID		000	1/12	
DNL1	ID		001	1/12	
DUTL0	ID		005	1/12	
DUTL1	ID		007	1/12	
GRD02073	GRD		013		
	GRD		100		
	GRD		103		
	GRD		105		
	GRD		106		
	GRD		107		
	GRD		113		
RESET3	ID		108	1/28	
ROGBL	ID		015	1/12	
ROLC3	ID		017	(Y)1/46, (Z)1/1	

SYMBOL NO. 15 (CONT)
LINE CARD 03

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC03	07-073	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
R1GBL	ID		016	1/12	
R1LC3	ID		018	(Y)1/47, (Z)1/2	
SCANL	ID		011	1/12	
SYNCL	ID		004	1/12	
TOGBL	ID		115	1/12	
TOLC3	ID		117	(Y)1/46, (Z)1/1	
T1GBL	ID		116	1/12	
T1LC3	ID		118	(Y)1/47, (Z)1/2	
4MCKLA	ID		003	1/12	

SYMBOL NO. 16
LINE CARD 04

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC04	07-080	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VLA	PWR		002	1/12	
	PWR		102	1/12	
	PWR		105	1/12	
-48V	PWR		014	1/12	
	PWR		114	1/12	
-5VL	PWR		010	1/12	
CTSL	PWR		110	1/12	
DEUTL0	ID		012	1/12	
	ID		006	1/12	
DEUTL1	ID		008	1/12	
DNLO	ID		000	1/12	
DNL1	ID		001	1/12	
DUTL0	ID		005	1/12	
DUTL1	ID		007	1/12	
GRD02080	GRD		013		
	GRD		100		
	GRD		103		
	GRD		104		
	GRD		106		
	GRD		107		
	GRD		113		
RESET4	ID		108	1/28	
ROGBL	ID		015	1/12	
ROLC4	ID		017	(Y)1/46, (Z)1/1	
R1GBL	ID		016	1/12	
R1LC4	ID		018	(Y)1/47, (Z)1/2	
SCANL	ID		011	1/12	
SYNCL	ID		004	1/12	
TOGBL	ID		115	1/12	
TOLC4	ID		117	(Y)1/46, (Z)1/1	
T1GBL	ID		116	1/12	
T1LC4	ID		118	(Y)1/47, (Z)1/2	
4MCKLA	ID		003	1/12	

SYMBOL NO. 17
LINE CARD 05

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC05	07-088	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VLA	PWR		002	1/12	
	PWR		102	1/12	
	PWR		103	1/12	
-48V	PWR		105	1/12	
	PWR		014	1/12	
	PWR		114	1/12	
-5VL	PWR		010	1/12	
	PWR		110	1/12	
CTSL	ID		012	1/12	
DEUTL0	ID		006	1/12	
DEUTL1	ID		008	1/12	
DNLO	ID		000	1/12	
DNL1	ID		001	1/12	
DUTL0	ID		005	1/12	
DUTL1	ID		007	1/12	
GRD02088	GRD		013		
	GRD		100		
	GRD		104		
	GRD		106		
	GRD		107		
	GRD		113		
RESET5	ID		108	1/28	
ROGBL	ID		015	1/12	
ROLC5	ID		017	(Y)1/46, (Z)1/1	
R1GBL	ID		016	1/12	
R1LC5	ID		018	(Y)1/47, (Z)1/2	
SCANL	ID		011	1/12	
SYNCL	ID		004	1/12	
TOGBL	ID		115	1/12	
TOLC5	ID		117	(Y)1/46, (Z)1/1	
T1GBL	ID		116	1/12	
T1LC5	ID		118	(Y)1/47, (Z)1/2	
4MCKLA	ID		003	1/12	

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LINE GROUP 00

SYMBOL NO. 18

LINE CARD 06

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LC06	07-095	(SEE NOTE 305-307)	A	

SYMBOL NO. 19 (CONT)

LINE CARD 07

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LC07	07-103	(SEE NOTE 305-307)	A	

SYMBOL NO. 20 (CONT)

LINE CARD 08

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LC08	07-125	(SEE NOTE 305-307)	A	

SYMBOL NO. 22

LINE CARD 10

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LC10	07-140	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLA	PWR		002		1/12	
	PWR		102		1/12	
	PWR		104		1/12	
-48V	PWR		105		1/12	
	PWR		014		1/12	
	PWR		114		1/12	
-5VL	PWR		010		1/12	
	PWR		110		1/12	
CTSL	IO		012		1/12	
DEUTLO	IO		006		1/12	
DEUTL1	IO		008		1/12	
DNL0	IO		000		1/12	
DNL1	IO		001		1/12	
DUTLO	IO		005		1/12	
DUTL1	IO		007		1/12	
GRD02095	GRD		013			
	GRD		100			
	GRD		103			
	GRD		106			
	GRD		107			
	GRD		113			
RESET6	IO		108		1/28	
ROGBL	IO		015		1/12	
ROLC6	IO		017		(Y)1/46, (Z)1/1	
R1GBL	IO		016		1/12	
R1LC6	IO		018		(Y)1/47, (Z)1/2	
SCANL	IO		011		1/12	
SYNCL	IO		004		1/12	
TOGBL	IO		115		1/12	
TOLC6	IO		117		(Y)1/46, (Z)1/1	
T1GBL	IO		116		1/12	
T1LC6	IO		118		(Y)1/47, (Z)1/2	
4MCKLA	IO		003		1/12	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DNL0	IO		000		1/12	
DNL1	IO		001		1/12	
DUTLO	IO		005		1/12	
DUTL1	IO		007		1/12	
DUTL1	IO		007		1/12	
GRD02103	GRD		013			
	GRD		100			
	GRD		106			
	GRD		107			
	GRD		113			
RESET7	IO		108		1/28	
ROGBL	IO		015		1/12	
ROLC7	IO		017		(Y)1/46, (Z)1/1	
R1GBL	IO		016		1/12	
R1LC7	IO		018		(Y)1/47, (Z)1/2	
SCANL	IO		011		1/12	
SYNCL	IO		004		1/12	
TOGBL	IO		115		1/12	
TOLC7	IO		117		(Y)1/46, (Z)1/1	
T1GBL	IO		116		1/12	
T1LC7	IO		118		(Y)1/47, (Z)1/2	
4MCKLA	IO		003		1/12	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
R1GBL	IO		016		1/12	
R1LC8	IO		018		(Y)1/47, (Z)1/2	
SCANL	IO		011		1/12	
SYNCL	IO		004		1/12	
TOGBL	IO		115		1/12	
TOLC8	IO		117		(Y)1/46, (Z)1/1	
T1GBL	IO		116		1/12	
T1LC8	IO		118		(Y)1/47, (Z)1/2	
4MCKLB	IO		003		1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		104		1/20	
-48V	PWR		106		1/20	
	PWR		014		1/12	
	PWR		114		1/12	
-5VL	PWR		010		1/12	
	PWR		110		1/12	
CTSL	IO		012		1/12	
DEUTLO	IO		006		1/12	
DEUTL1	IO		008		1/12	
DNL0	IO		000		1/12	
DNL1	IO		001		1/12	
DUTLO	IO		005		1/12	
DUTL1	IO		007		1/12	
GRD02140	GRD		013			
	GRD		100			
	GRD		103			
	GRD		105			
	GRD		107			
	GRD		113			
RESET10	IO		108		1/28	
ROGBL	IO		015		1/12	
ROLC10	IO		017		(Y)1/46, (Z)1/1	
R1GBL	IO		016		1/12	
R1LC10	IO		018		(Y)1/47, (Z)1/2	
SCANL	IO		011		1/12	
SYNCL	IO		004		1/12	
TOGBL	IO		115		1/12	
TOLC10	IO		117		(Y)1/46, (Z)1/1	
T1GBL	IO		116		1/12	
T1LC10	IO		118		(Y)1/47, (Z)1/2	
4MCKLB	IO		003		1/20	

SYMBOL NO. 21

LINE CARD 09

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LC09	07-133	(SEE NOTE 305-307)	A	

SYMBOL NO. 20

LINE CARD 08

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LC08	07-125	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLA	PWR		002		1/12	
	PWR		102		1/12	
	PWR		103		1/12	
-48V	PWR		104		1/12	
	PWR		105		1/12	
	PWR		014		1/12	
-5VL	PWR		114		1/12	
	PWR		010		1/12	
	PWR		110		1/12	
CTSL	IO		012		1/12	
DEUTLO	IO		006		1/12	
DEUTL1	IO		008		1/12	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		106		1/21, 1/22 1/23, 1/24 1/25, 1/26 1/27, 1/29	
-48V	PWR		014		1/12	
	PWR		114		1/12	
	PWR		010		1/12	
-5VL	PWR		110		1/12	
	PWR		012		1/12	
CTSL	IO		012		1/12	
DEUTLO	IO		006		1/12	
DEUTL1	IO		008		1/12	
DNL0	IO		000		1/12	
DNL1	IO		001		1/12	
DUTLO	IO		005		1/12	
DUTL1	IO		007		1/12	
GRD02125	GRD		013			
	GRD		100			
	GRD		103			
	GRD		104			
	GRD		105			
	GRD		107			
	GRD		113			
RESET8	IO		108		1/28	
ROGBL	IO		015		1/12	
ROLC8	IO		017		(Y)1/46, (Z)1/1	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		103		1/20	
-48V	PWR		106		1/20	
	PWR		014		1/12	
	PWR		114		1/12	
-5VL	PWR		010		1/12	
	PWR		110		1/12	
CTSL	IO		012		1/12	
DEUTLO	IO		006		1/12	
DEUTL1	IO		008		1/12	
DNL0	IO		000		1/12	
DNL1	IO		001		1/12	
DUTLO	IO		005		1/12	
DUTL1	IO		007		1/12	
GRD02133	GRD		013			
	GRD		100			
	GRD		104			
	GRD		105			
	GRD		107			
	GRD		113			
RESET9	IO		108		1/28	
ROGBL	IO		015		1/12	
ROLC9	IO		017		(Y)1/46, (Z)1/1	
R1GBL	IO		016		1/12	
R1LC9	IO		018		(Y)1/47, (Z)1/2	
SCANL	IO		011		1/12	
SYNCL	IO		004		1/12	
TOGBL	IO		115		1/12	
TOLC9	IO		117		(Y)1/46, (Z)1/1	
T1GBL	IO		116		1/12	
T1LC9	IO		118		(Y)1/47, (Z)1/2	
4MCKLB	IO		003		1/20	

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INTEGRATED SERVICES LINE UNIT- DRAWER		DWG SIZE 2
AT&T BELL LABORATORIES		ISSUE 1
SD-50090-01		B1CE

PART OF FS 1

LINE GROUP 00

SYMBOL NO. 23

LINE CARD 11

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC11	07-148	(SEE NOTE 305-307)	A	

SYMBOL NO. 24 (CONT)

LINE CARD 12

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC12	07-155	(SEE NOTE 305-307)	A	

SYMBOL NO. 25 (CONT)

LINE CARD 13

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC13	07-163	(SEE NOTE 305-307)	A	

SYMBOL NO. 27

LINE CARD 15

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC15	07-178	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		103		1/20	
	PWR		104		1/20	
	PWR		106		1/20	
-48V	PWR		014		1/12	
	PWR		114		1/12	
	PWR		010		1/12	
	PWR		110		1/12	
CTSL	ID		012		1/12	
DEUTLO	ID		006		1/12	
DEUTL1	ID		008		1/12	
DNLO	ID		000		1/12	
DNL1	ID		001		1/12	
DUTLO	ID		005		1/12	
DUTL1	ID		007		1/12	
GRD02148	GRD		013			
	GRD		100			
	GRD		105			
	GRD		107			
	GRD		113			
RESET11	ID		108		1/28	
ROGBL	ID		015		1/12	
ROLC11	ID		017		(Y)1/46, (Z)1/1	
R1GBL	ID		016		1/12	
R1LC11	ID		018		(Y)1/47, (Z)1/2	
SCANL	ID		011		1/12	
SYNCL	ID		004		1/12	
TOGBL	ID		115		1/12	
TOLC11	ID		117		(Y)1/46, (Z)1/1	
T1GBL	ID		116		1/12	
T1LC11	ID		118		(Y)1/47, (Z)1/2	
4MCKLB	ID		003		1/20	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DNL1	ID		001		1/12	
DUTLO	ID		005		1/12	
DUTL1	ID		007		1/12	
GRD02155	GRD		013			
	GRD		100			
	GRD		103			
	GRD		104			
	GRD		107			
	GRD		113			
RESET12	ID		108		1/28	
ROGBL	ID		015		1/12	
ROLC12	ID		017		(Y)1/46, (Z)1/1	
R1GBL	ID		016		1/12	
R1LC12	ID		018		(Y)1/47, (Z)1/2	
SCANL	ID		011		1/12	
SYNCL	ID		004		1/12	
TOGBL	ID		115		1/12	
TOLC12	ID		117		(Y)1/46, (Z)1/1	
T1GBL	ID		116		1/12	
T1LC12	ID		118		(Y)1/47, (Z)1/2	
4MCKLB	ID		003		1/20	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
R1GBL	ID		016		1/12	
R1LC13	ID		018		(Y)1/47, (Z)1/2	
SCANL	ID		011		1/12	
SYNCL	ID		004		1/12	
TOGBL	ID		115		1/12	
TOLC13	ID		117		(Y)1/46, (Z)1/1	
T1GBL	ID		116		1/12	
T1LC13	ID		118		(Y)1/47, (Z)1/2	
4MCKLB	ID		003		1/20	

SYMBOL NO. 26

LINE CARD 14

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC14	07-170	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		104		1/20	
	PWR		105		1/20	
	PWR		106		1/20	
-48V	PWR		014		1/12	
	PWR		114		1/12	
	PWR		010		1/12	
	PWR		110		1/12	
CTSL	ID		012		1/12	
DEUTLO	ID		006		1/12	
DEUTL1	ID		008		1/12	
DNLO	ID		000		1/12	
DNL1	ID		001		1/12	
DUTLO	ID		005		1/12	
DUTL1	ID		007		1/12	
GRD02170	GRD		013			
	GRD		100			
	GRD		103			
	GRD		107			
	GRD		113			
RESET14	ID		108		1/28	
ROGBL	ID		015		1/12	
ROLC14	ID		017		(Y)1/46, (Z)1/1	
R1GBL	ID		016		1/12	
R1LC14	ID		018		(Y)1/47, (Z)1/2	
SCANL	ID		011		1/12	
SYNCL	ID		004		1/12	
TOGBL	ID		115		1/12	
TOLC14	ID		117		(Y)1/46, (Z)1/1	
T1GBL	ID		116		1/12	
T1LC14	ID		118		(Y)1/47, (Z)1/2	
4MCKLB	ID		003		1/20	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		103		1/20	
	PWR		104		1/20	
	PWR		105		1/20	
	PWR		106		1/20	
-48V	PWR		014		1/12	
	PWR		114		1/12	
	PWR		010		1/12	
	PWR		110		1/12	
CTSL	ID		012		1/12	
DEUTLO	ID		006		1/12	
DEUTL1	ID		008		1/12	
DNLO	ID		000		1/12	
DNL1	ID		001		1/12	
DUTLO	ID		005		1/12	
DUTL1	ID		007		1/12	
GRD02178	GRD		013			
	GRD		100			
	GRD		107			
	GRD		113			
RESET15	ID		108		1/28	
ROGBL	ID		015		1/12	
ROLC15	ID		017		(Y)1/53, (Y)1/54, (Z)1/8, (Z)1/9	
R1GBL	ID		016		1/12	
R1LC15	ID		018		(Y)1/53, (Y)1/54, (Z)1/8, (Z)1/9	
SCANL	ID		011		1/12	
SYNCL	ID		004		1/12	
TOGBL	ID		115		1/12	
TOLC15	ID		117		(Y)1/53, (Y)1/54, (Z)1/8, (Z)1/9	
T1GBL	ID		116		1/12	
T1LC15	ID		118		(Y)1/53, (Y)1/54, (Z)1/8, (Z)1/9	
4MCKLB	ID		003		1/20	

SYMBOL NO. 24

LINE CARD 12

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC12	07-155	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		105		1/20	
	PWR		106		1/20	
	PWR		014		1/12	
-48V	PWR		014		1/12	
	PWR		114		1/12	
	PWR		010		1/12	
	PWR		110		1/12	
CTSL	ID		012		1/12	
DEUTLO	ID		006		1/12	
DEUTL1	ID		008		1/12	
DNLO	ID		000		1/12	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VLB	PWR		002		1/20	
	PWR		102		1/20	
	PWR		103		1/20	
	PWR		105		1/20	
	PWR		106		1/20	
-48V	PWR		014		1/12	
	PWR		114		1/12	
	PWR		010		1/12	
	PWR		110		1/12	
CTSL	ID		012		1/12	
DEUTLO	ID		006		1/12	
DEUTL1	ID		008		1/12	
DNLO	ID		000		1/12	
DNL1	ID		001		1/12	
DUTLO	ID		005		1/12	
DUTL1	ID		007		1/12	
GRD02163	GRD		013			
	GRD		100			
	GRD		104			
	GRD		107			
	GRD		113			
RESET13	ID		108		1/28	
ROGBL	ID		015		1/12	
ROLC13	ID		017		(Y)1/46, (Z)1/1	

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SYMBOL(S) 23 24 25 26 27

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INTEGRATED SERVICES LINE UNIT-DRAWER		DWG SIZE C
AT&T BELL LABORATORIES		ISSUE 1
SD-50090-01		B1CF

PART OF FS 1
LINE GROUP 00

SYMBOL NO. 28
LINE GROUP CONTROL

SYMBOL NO. 28 (CONT)
LINE GROUP CONTROL

SYMBOL NO. 28 (CONT)
LINE GROUP CONTROL

SYMBOL NO. 29 (CONT)
LINE GROUP POWER

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LGC	09-110	KCD3	A	(T)
LGC	09-110	KCD3B	A	(S)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LGC	09-110	KCD3	A	(T)
LGC	09-110	KCD3B	A	(S)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LGC	09-110	KCD3	A	(T)
LGC	09-110	KCD3B	A	(S)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LGP	09-118	KCD2	A	(X)
LGP	09-118	553A	A	(W)
LGP	09-118	553B	A	(A)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+SVHA	PHR		140		1/28	
	PHR		040		1/29, 1/30	
					1/31, 1/32	
					1/33, 1/34	
					1/35, 1/36	
					1/37, (2)2/1	
-SVH	PHR		148		1/29, 1/30	
					1/31, 1/32	
					1/33, 1/34	
					1/35, 1/36	
					1/37, 1/38	
					1/39, 1/40	
					1/41, 1/42	
					1/43, 1/44	
					1/45	
-SVLP	PHR		155		1/29	
CLKON	ID		020		(Y)1/51, (Z)1/6	
CLKOP	ID		120		(Y)1/51, (Z)1/6	
CLK1N	ID		025		(Y)1/51, (Z)1/6	
CLK1P	ID		125		(Y)1/51, (Z)1/6	
CTSH	ID		050		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
CTSL	ID		110		1/12	
DEUTH0	ID		044		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
DEUTH1	ID		046		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
DEUTLO	ID		006		1/12	
DEUTL1	ID		008		1/12	
DNHO	ID		038		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
DNH1	ID		039		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
DNLO	ID		000		1/12	
DNL1	ID		001		1/12	
DNOP	ID		017		(Y)1/51, (Z)1/6	
DN1N	ID		022		(Y)1/51, (Z)1/6	
DN1P	ID		122		(Y)1/51, (Z)1/6	
DUTH0	ID		043		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DUTH1	ID		045		1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
DUTLO	ID		005		1/12	
DUTL1	ID		007		1/12	
DUTON	ID		016		(Y)1/51, (Z)1/6	
DUTOP	ID		116		(Y)1/51, (Z)1/6	
DUT1N	ID		021		(Y)1/51, (Z)1/6	
DUT1P	ID		121		(Y)1/51, (Z)1/6	
GRD04110	GRD		048			
	GRD		056			
	GRD		100			
	GRD		107			
	GRD		115			
	GRD		138			
	GRD		145			
	GRD		156			
	GRD		027		1/29	
LGCSYNC	ID		027		1/29	
RESET0	ID		101		1/12	
RESET1	ID		102		1/13	
RESET10	ID		012		1/22	
RESET11	ID		113		1/23	
RESET12	ID		013		1/24	
RESET13	ID		114		1/25	
RESET14	ID		014		1/26	
RESET15	ID		015		1/27	
RESET16	ID		139		1/30	
RESET17	ID		142		1/31	
RESET18	ID		143		1/32	
RESET19	ID		144		1/33	
RESET2	ID		104		1/14	
RESET20	ID		146		1/34	
RESET21	ID		151		1/35	
RESET22	ID		150		1/36	
RESET23	ID		149		1/37	
RESET24	ID		051		1/38	
RESET25	ID		052		1/39	
RESET26	ID		152		1/40	
RESET27	ID		053		1/41	
RESET28	ID		153		1/42	
RESET29	ID		054		1/43	
RESET3	ID		105		1/15	
RESET30	ID		154		1/44	
RESET31	ID		055		1/45	
RESET4	ID		106		1/16	
RESET5	ID		108		1/17	
RESET6	ID		112		1/18	
RESET7	ID		111		1/19	
RESET8	ID		002		1/20	
RESET9	ID		011		1/21	
SCANH	ID		049		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SCANL	ID		010		1/44, 1/45	
SELOM	ID		018		1/12	
SELOP	ID		118		(Y)1/51, (Z)1/6	
SEL1N	ID		023		(Y)1/51, (Z)1/6	
SEL1P	ID		123		(Y)1/51, (Z)1/6	
SYNCH	ID		042		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
					1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
SYNCL	ID		004		1/12	
SYNCON	ID		019		(Y)1/51, (Z)1/6	
SYNCOF	ID		119		(Y)1/51, (Z)1/6	
SYNCLN	ID		024		(Y)1/51, (Z)1/6	
SYNCLP	ID		124		(Y)1/51, (Z)1/6	
4NCKHA	ID		041		1/30, 1/31	
					1/32, 1/33	
					1/34, 1/35	
					1/36, 1/37	
4NCKHB	ID		141		1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
4NCKLA	ID		003		1/12	
4NCKLB	ID		103		1/20	

SYMBOL NO. 29
LINE GROUP POWER

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
LGP	09-118	KCD2	A	(X)
LGP	09-118	553A	A	(W)
LGP	09-118	553B	A	(A)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+SVHA	PHR		044		1/28	
	PHR		045		1/28	
	PHR		047		1/28	
+SVHB	PHR		146		1/29	
	PHR		147		1/29	
	PHR		145		1/38, 1/39	
					1/40, 1/41	
					1/42, 1/43	
					1/44, 1/45	
+SVLA	PHR		006		1/12	
	PHR		007		1/12	
	PHR		009		1/12	
+SVLB	PHR		107		1/20	
	PHR		108		1/20	
	PHR		109		1/20	
-48V	PHR		014		1/12	
	PHR		114		1/12	
-5VH	PHR		048		1/28	

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SYMBOL(S) 28 29

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INTEGRATED SERVICES LINE UNIT-DRAWER		DWG SIZE CZ
		ISSUE 48
AT&T	SD-5D090-01	B1CG

PART OF FS 1
LINE GROUP 00

SYMBOL NO. 30
LINE CARD 16

SYMBOL NO. 31
LINE CARD 17

SYMBOL NO. 32 (CONT)
LINE CARD 18

SYMBOL NO. 33 (CONT)
LINE CARD 19

DESIG EOPT CODE ELEM OPT
LC16 11-050 (SEE NOTE 305-307) A

DESIG EOPT CODE ELEM OPT
LC17 11-058 (SEE NOTE 305-307) A

DESIG EOPT CODE ELEM OPT
LC18 11-065 (SEE NOTE 305-307) A

DESIG EOPT CODE ELEM OPT
LC19 11-073 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VHA	PHR		040	1/28	
	PHR		140	1/28	
	PHR		052	1/12	
-48V					
	PHR		152	1/12	
	PHR		048	1/28	
	PHR		148	1/28	
-5VH					
	PHR		152	1/12	
	PHR		048	1/28	
	PHR		148	1/28	
CTSH	IO		050	1/28	
DEUTH0	IO		044	1/28	
DEUTH1	IO		046	1/28	
DNH0	IO		038	1/28	
DNH1	IO		039	1/28	
DUTH0	IO		043	1/28	
DUTH1	IO		045	1/28	
GRD06050	GRD		051		
	GRD		138		
	GRD		141		
	GRD		142		
	GRD		143		
	GRD		144		
	GRD		145		
	GRD		151		
RESET16	IO		146	1/28	
ROGBH	IO		053	1/31, 1/32	
				1/33, 1/34	
				1/35, 1/36	
				1/37, 1/38	
				1/39, 1/40	
				1/41, 1/42	
				1/43, 1/44	
				1/45, (Y)1/50	
				(Z)1/5	
				(Y)1/48, (Z)1/3	
ROLC16	IO		055		
R1GBH	IO		054	1/31, 1/32	
				1/33, 1/34	
				1/35, 1/36	
				1/37, 1/38	
				1/39, 1/40	
				1/41, 1/42	
				1/43, 1/44	
				1/45, (Y)1/50	
				(Z)1/5	
				(Y)1/49, (Z)1/4	
R1LC16	IO		056		
SCANH	IO		049	1/28	
SYNCH	IO		042	1/28	
TOGBH	IO		153	1/31, 1/32	
				1/33, 1/34	
				1/35, 1/36	
				1/37, 1/38	
				1/39, 1/40	
				1/41, 1/42	
				1/43, 1/44	
				1/45, (Y)1/50	
				(Z)1/5	
				(Y)1/48, (Z)1/3	
TOLC16	IO		155		
T1GBH	IO		154	1/31, 1/32	
				1/33, 1/34	
				1/35, 1/36	
				1/37, 1/38	
				1/39, 1/40	
				1/41, 1/42	
				1/43, 1/44	
				1/45, (Y)1/50	
				(Z)1/5	
				(Y)1/49, (Z)1/4	
T1LC16	IO		156		
4MCKHA	IO		041	1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VHA	PHR		040	1/28	
	PHR		140	1/28	
	PHR		141	1/28	
-48V					
	PHR		052	1/12	
	PHR		152	1/12	
	PHR		048	1/28	
CTSH	PHR		148	1/28	
DEUTH0	IO		050	1/28	
DEUTH1	IO		044	1/28	
DNH0	IO		046	1/28	
DNH1	IO		038	1/28	
DUTH0	IO		039	1/28	
DUTH1	IO		043	1/28	
GRD06058	GRD		051		
	GRD		138		
	GRD		142		
	GRD		143		
	GRD		144		
	GRD		145		
	GRD		151		
RESET17	IO		146	1/28	
ROGBH	IO		053	1/30	
ROLC17	IO		055	(Y)1/48, (Z)1/3	
R1GBH	IO		054	1/30	
R1LC17	IO		056	(Y)1/49, (Z)1/4	
SCANH	IO		049	1/28	
SYNCH	IO		042	1/28	
TOGBH	IO		153	1/30	
TOLC17	IO		155	(Y)1/48, (Z)1/3	
T1GBH	IO		154	1/30	
T1LC17	IO		156	(Y)1/49, (Z)1/4	
4MCKHA	IO		041	1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
DUTH0	IO		043	1/28	
DUTH1	IO		045	1/28	
GRD06065	GRD		051		
	GRD		138		
	GRD		141		
	GRD		143		
	GRD		144		
	GRD		145		
	GRD		151		
RESET18	IO		146	1/28	
ROGBH	IO		053	1/30	
ROLC18	IO		055	(Y)1/48, (Z)1/3	
R1GBH	IO		054	1/30	
R1LC18	IO		056	(Y)1/49, (Z)1/4	
SCANH	IO		049	1/28	
SYNCH	IO		042	1/28	
TOGBH	IO		153	1/30	
TOLC18	IO		155	(Y)1/48, (Z)1/3	
T1GBH	IO		154	1/30	
T1LC18	IO		156	(Y)1/49, (Z)1/4	
4MCKHA	IO		041	1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
R1GBH	IO		054	1/30	
R1LC19	IO		056	(Y)1/49, (Z)1/4	
SCANH	IO		049	1/28	
SYNCH	IO		042	1/28	
TOGBH	IO		153	1/30	
TOLC19	IO		155	(Y)1/48, (Z)1/3	
T1GBH	IO		154	1/30	
T1LC19	IO		156	(Y)1/49, (Z)1/4	
4MCKHA	IO		041	1/28	

SYMBOL NO. 33
LINE CARD 19

DESIG EOPT CODE ELEM OPT
LC19 11-073 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VHA	PHR		040	1/28	
	PHR		140	1/28	
	PHR		141	1/28	
-48V					
	PHR		142	1/28	
	PHR		052	1/12	
	PHR		152	1/12	
-5VH					
	PHR		048	1/28	
	PHR		148	1/28	
	PHR		050	1/28	
CTSH	IO		050	1/28	
DEUTH0	IO		044	1/28	
DEUTH1	IO		046	1/28	
DNH0	IO		038	1/28	
DNH1	IO		039	1/28	
DUTH0	IO		043	1/28	
DUTH1	IO		045	1/28	
GRD06073	GRD		051		
	GRD		138		
	GRD		143		
	GRD		144		
	GRD		145		
	GRD		151		
RESET19	IO		146	1/28	
ROGBH	IO		053	1/30	
ROLC19	IO		055	(Y)1/48, (Z)1/3	

SYMBOL NO. 32
LINE CARD 18

DESIG EOPT CODE ELEM OPT
LC18 11-065 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
+5VHA	PHR		040	1/28	
	PHR		140	1/28	
	PHR		142	1/28	
-48V					
	PHR		052	1/12	
	PHR		152	1/12	
-5VH					
	PHR		048	1/28	
CTSH	PHR		148	1/28	
DEUTH0	IO		050	1/28	
DEUTH1	IO		044	1/28	
DNH0	IO		046	1/28	
DNH1	IO		038	1/28	
DNH1	IO		039	1/28	

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INTEGRATED SERVICES LINE UNIT- DRAWER		DWG SIZE C2
AT&T BELL LABORATORIES		ISSUE 1
SD-5D090-01		B1CH

PART OF FS 1
LINE GROUP 00

SYMBOL NO. 34
LINE CARD 20

SYMBOL NO. 35 (CONT)
LINE CARD 21

SYMBOL NO. 36 (CONT)
LINE CARD 22

SYMBOL NO. 38
LINE CARD 24

DESIG EOPT ELEM
LC20 11-088 (SEE NOTE 305-307) A

DESIG EOPT ELEM
LC21 11-088 (SEE NOTE 305-307) A

DESIG EOPT ELEM
LC22 11-095 (SEE NOTE 305-307) A

DESIG EOPT ELEM
LC24 11-125 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHA	PWR		040		1/28	
	PWR		140		1/28	
	PWR		143		1/28	
-48V	PWR		052		1/12	
	PWR		152		1/12	
	PWR		048		1/28	
-5VH	PWR		148		1/28	
	IO		050		1/28	
	IO		044		1/28	
CTSH DEUTH0	IO		046		1/28	
	IO		038		1/28	
	IO		039		1/28	
DUTH0 DUTH1 GRD06080	IO		043		1/28	
	IO		045		1/28	
	GRD		051			
	GRD		138			
	GRD		141			
	GRD		142			
	GRD		144			
	GRD		145			
	GRD		151			

RESET20	IO		146		1/28	
ROGBH	IO		053		1/30	
ROLC20	IO		055		(Y)1/48, (Z)1/3	
R1GBH R1LC20 SCANH	IO		054		1/30	
	IO		056		(Y)1/49, (Z)1/4	
	IO		049		1/28	
SYNCH TOGBH TOLC20	IO		042		1/28	
	IO		153		1/30	
	IO		155		(Y)1/48, (Z)1/3	
T1GBH T1LC20 4MCKHA	IO		154		1/30	
	IO		156		(Y)1/49, (Z)1/4	
	IO		041		1/28	

SYMBOL NO. 35
LINE CARD 21

DESIG EOPT ELEM
LC21 11-088 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHA	PWR		040		1/28	
	PWR		140		1/28	
	PWR		141		1/28	
-48V	PWR		143		1/28	
	PWR		052		1/12	
	PWR		152		1/12	
-5VH	PWR		048		1/28	
	PWR		148		1/28	
	IO		050		1/28	
CTSH DEUTH0 DEUTH1 DNH0	IO		044		1/28	
	IO		046		1/28	
	IO		038		1/28	
DNH1 DUTH0 DUTH1	IO		039		1/28	
	IO		043		1/28	
	IO		045		1/28	
GRD06095	GRD		051			
	GRD		138			
	GRD		141			
	GRD		144			
	GRD		145			
	GRD		151			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DNH1 DUTH0 DUTH1	IO		039		1/28	
	IO		043		1/28	
	IO		045		1/28	
GRD06088	GRD		051			
	GRD		138			
	GRD		142			
	GRD		144			
	GRD		145			
	GRD		151			
RESET21 ROGBH ROLC21	IO		146		1/28	
	IO		053		1/30	
	IO		055		(Y)1/48, (Z)1/3	
R1GBH R1LC21 SCANH	IO		054		1/30	
	IO		056		(Y)1/49, (Z)1/4	
	IO		049		1/28	
SYNCH TOGBH TOLC21	IO		042		1/28	
	IO		153		1/30	
	IO		155		(Y)1/48, (Z)1/3	
T1GBH T1LC21 4MCKHA	IO		154		1/30	
	IO		156		(Y)1/49, (Z)1/4	
	IO		041		1/28	

SYMBOL NO. 36
LINE CARD 22

DESIG EOPT ELEM
LC22 11-095 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHA	PWR		040		1/28	
	PWR		140		1/28	
	PWR		142		1/28	
-48V	PWR		143		1/28	
	PWR		052		1/12	
	PWR		152		1/12	
-5VH	PWR		048		1/28	
	PWR		148		1/28	
	IO		050		1/28	
CTSH DEUTH0 DEUTH1	IO		044		1/28	
	IO		046		1/28	
	IO		038		1/28	
DNH0 DNH1 DUTH0	IO		038		1/28	
	IO		039		1/28	
	IO		043		1/28	
DUTH1 GRD06103	IO		045		1/28	
	GRD		051			
	GRD		138			
	GRD		144			
	GRD		145			
	GRD		151			
RESET23 ROGBH ROLC23	IO		146		1/28	
	IO		053		1/30	
	IO		055		(Y)1/48, (Z)1/3	
R1GBH R1LC23 SCANH	IO		054		1/30	
	IO		056		(Y)1/49, (Z)1/4	
	IO		049		1/28	
SYNCH TOGBH TOLC23	IO		042		1/28	
	IO		153		1/30	
	IO		155		(Y)1/48, (Z)1/3	
T1GBH T1LC23 4MCKHA	IO		154		1/30	
	IO		156		(Y)1/49, (Z)1/4	
	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
R1GBH R1LC22 SCANH	IO		054		1/30	
	IO		056		(Y)1/49, (Z)1/4	
	IO		049		1/28	
SYNCH TOGBH TOLC22	IO		042		1/28	
	IO		153		1/30	
	IO		155		(Y)1/48, (Z)1/3	
T1GBH T1LC22 4MCKHA	IO		154		1/30	
	IO		156		(Y)1/49, (Z)1/4	
	IO		041		1/28	

SYMBOL NO. 37
LINE CARD 23

DESIG EOPT ELEM
LC23 11-103 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHA	PWR		040		1/28	
	PWR		140		1/28	
	PWR		141		1/28	
-48V	PWR		142		1/28	
	PWR		143		1/28	
	PWR		052		1/12	
-5VH	PWR		152		1/12	
	PWR		048		1/28	
	PWR		148		1/28	
CTSH DEUTH0 DEUTH1	IO		050		1/28	
	IO		044		1/28	
	IO		046		1/28	
DNH0 DNH1 DUTH0	IO		038		1/28	
	IO		039		1/28	
	IO		043		1/28	
DUTH1 GRD06103	IO		045		1/28	
	GRD		051			
	GRD		138			
	GRD		144			
	GRD		145			
	GRD		151			
RESET24 ROGBH ROLC24	IO		146		1/28	
	IO		053		1/30	
	IO		055		(Y)1/48, (Z)1/3	
R1GBH R1LC24 SCANH	IO		054		1/30	
	IO		056		(Y)1/49, (Z)1/4	
	IO		049		1/28	
SYNCH TOGBH TOLC24	IO		042		1/28	
	IO		153		1/30	
	IO		155		(Y)1/48, (Z)1/3	
T1GBH T1LC24 4MCKHB	IO		154		1/30	
	IO		156		(Y)1/49, (Z)1/4	
	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		144		1/29	
-48V	PWR		052		1/12	
	PWR		152		1/12	
	PWR		048		1/28	
-5VH	PWR		148		1/28	
	IO		050		1/28	
	IO		044		1/28	
CTSH DEUTH0	IO		046		1/28	
	IO		038		1/28	
	IO		039		1/28	
DUTH0 DUTH1 GRD06125	IO		043		1/28	
	IO		045		1/28	
	GRD		051			
	GRD		138			
	GRD		141			
	GRD		142			
	GRD		143			
	GRD		145			
	GRD		151			

RESET24	IO		146		1/28	
ROGBH	IO		053		1/30	
ROLC24	IO		055		(Y)1/48, (Z)1/3	
R1GBH R1LC24 SCANH	IO		054		1/30	
	IO		056		(Y)1/49, (Z)1/4	
	IO		049		1/28	
SYNCH TOGBH TOLC24	IO		042		1/28	
	IO		153		1/30	
	IO		155		(Y)1/48, (Z)1/3	
T1GBH T1LC24 4MCKHB	IO		154		1/30	
	IO		156		(Y)1/49, (Z)1/4	
	IO		041		1/28	

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SYMBOL(S) 34 35 36 37 38

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INTEGRATED SERVICES LINE UNIT- DRAWER		DWG SIZE C
AT&T BELL LABORATORIES		ISSUE 1
SD-5D090-01		B1CJ

PART OF FS 1
LINE GROUP 00

SYMBOL NO. 39
LINE CARD 25

SYMBOL NO. 40 (CONT)
LINE CARD 26

SYMBOL NO. 41 (CONT)
LINE CARD 27

SYMBOL NO. 43
LINE CARD 29

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC25	11-133	(SEE NOTE 305-307)	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC26	11-140	(SEE NOTE 305-307)	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC27	11-148	(SEE NOTE 305-307)	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC29	11-163	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		141		1/29	
-48V	PWR		144		1/29	
	PWR		052		1/12	
	PWR		152		1/12	
-5VH	PWR		048		1/28	
	PWR		148		1/28	
CTSH	IO		050		1/28	
DEUTH0	IO		044		1/28	
DEUTH1	IO		046		1/28	
DNH0	IO		038		1/28	
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06133	GRD		051			
	GRD		138			
	GRD		142			
	GRD		143			
	GRD		145			
	GRD		151			
RESET25	IO		146		1/28	
ROGBH	IO		053		1/30	
ROL25	IO		055		(Y)1/48, (Z)1/3	
R1GBH	IO		054		1/30	
R1LC25	IO		056		(Y)1/49, (Z)1/4	
SCANH	IO		049		1/28	
SYNCH	IO		042		1/28	
TOGBH	IO		153		1/30	
TOL25	IO		155		(Y)1/48, (Z)1/3	
T1GBH	IO		154		1/30	
T1LC25	IO		156		(Y)1/49, (Z)1/4	
4MCKHB	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06140	GRD		051			
	GRD		138			
	GRD		141			
	GRD		143			
	GRD		145			
	GRD		151			
RESET26	IO		146		1/28	
ROGBH	IO		053		1/30	
ROL26	IO		055		(Y)1/48, (Z)1/3	
R1GBH	IO		054		1/30	
R1LC26	IO		056		(Y)1/49, (Z)1/4	
SCANH	IO		049		1/28	
SYNCH	IO		042		1/28	
TOGBH	IO		153		1/30	
TOL26	IO		155		(Y)1/48, (Z)1/3	
T1GBH	IO		154		1/30	
T1LC26	IO		156		(Y)1/49, (Z)1/4	
4MCKHB	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
R1GBH	IO		054		1/30	
R1LC27	IO		056		(Y)1/49, (Z)1/4	
SCANH	IO		049		1/28	
SYNCH	IO		042		1/28	
TOGBH	IO		153		1/30	
TOL27	IO		155		(Y)1/48, (Z)1/3	
T1GBH	IO		154		1/30	
T1LC27	IO		156		(Y)1/49, (Z)1/4	
4MCKHB	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		141		1/29	
-48V	PWR		144		1/29	
	PWR		052		1/12	
	PWR		152		1/12	
-5VH	PWR		048		1/28	
	PWR		148		1/28	
CTSH	IO		050		1/28	
DEUTH0	IO		044		1/28	
DEUTH1	IO		046		1/28	
DNH0	IO		038		1/28	
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06163	GRD		051			
	GRD		138			
	GRD		142			
	GRD		145			
	GRD		151			
RESET29	IO		146		1/28	
ROGBH	IO		053		1/30	
ROL29	IO		055		(Y)1/48, (Z)1/3	
R1GBH	IO		054		1/30	
R1LC29	IO		056		(Y)1/49, (Z)1/4	
SCANH	IO		049		1/28	
SYNCH	IO		042		1/28	
TOGBH	IO		153		1/30	
TOL29	IO		155		(Y)1/48, (Z)1/3	
T1GBH	IO		154		1/30	
T1LC29	IO		156		(Y)1/49, (Z)1/4	
4MCKHB	IO		041		1/28	

SYMBOL NO. 42
LINE CARD 28

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC28	11-155	(SEE NOTE 305-307)	A	

SYMBOL NO. 41
LINE CARD 27

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC27	11-148	(SEE NOTE 305-307)	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC26	11-140	(SEE NOTE 305-307)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		142		1/29	
-48V	PWR		144		1/29	
	PWR		052		1/12	
	PWR		152		1/12	
-5VH	PWR		048		1/28	
	PWR		148		1/28	
CTSH	IO		050		1/28	
DEUTH0	IO		044		1/28	
DEUTH1	IO		046		1/28	
DNH0	IO		038		1/28	
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06148	GRD		051			
	GRD		138			
	GRD		143			
	GRD		145			
	GRD		151			
RESET27	IO		146		1/28	
ROGBH	IO		053		1/30	
ROL27	IO		055		(Y)1/48, (Z)1/3	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		141		1/29	
-48V	PWR		142		1/29	
	PWR		144		1/29	
	PWR		052		1/12	
-5VH	PWR		152		1/12	
	PWR		048		1/28	
	PWR		148		1/28	
CTSH	IO		050		1/28	
DEUTH0	IO		044		1/28	
DEUTH1	IO		046		1/28	
DNH0	IO		038		1/28	
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06155	GRD		051			
	GRD		138			
	GRD		141			
	GRD		142			
	GRD		145			
	GRD		151			
RESET28	IO		146		1/28	
ROGBH	IO		053		1/30	
ROL28	IO		055		(Y)1/48, (Z)1/3	
R1GBH	IO		054		1/30	
R1LC28	IO		056		(Y)1/49, (Z)1/4	
SCANH	IO		049		1/28	
SYNCH	IO		042		1/28	
TOGBH	IO		153		1/30	
TOL28	IO		155		(Y)1/48, (Z)1/3	
T1GBH	IO		154		1/30	
T1LC28	IO		156		(Y)1/49, (Z)1/4	
4MCKHB	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		143		1/29	
-48V	PWR		144		1/29	
	PWR		052		1/12	
	PWR		152		1/12	
-5VH	PWR		048		1/28	
	PWR		148		1/28	
CTSH	IO		050		1/28	
DEUTH0	IO		044		1/28	
DEUTH1	IO		046		1/28	
DNH0	IO		038		1/28	
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06155	GRD		051			
	GRD		138			
	GRD		141			
	GRD		142			
	GRD		145			
	GRD		151			
RESET28	IO		146		1/28	
ROGBH	IO		053		1/30	
ROL28	IO		055		(Y)1/48, (Z)1/3	
R1GBH	IO		054		1/30	
R1LC28	IO		056		(Y)1/49, (Z)1/4	
SCANH	IO		049		1/28	
SYNCH	IO		042			

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LINE GROUP 00

SYMBOL NO. 44
LINE CARD 30

SYMBOL NO. 45 (CONT)
LINE CARD 31

SYMBOL NO. 46 (CONT)
TIP AND RING, RIGHT SIDE

SYMBOL NO. 47 (CONT)
TIP AND RING, RIGHT SIDE

DESIG EOPT CODE ELEM OPT
LC30 LOC 11-170 (SEE NOTE 305-307) A

DESIG EOPT CODE ELEM OPT
LC31 LOC 11-178 (SEE NOTE 305-307) A

DESIG EOPT CODE ELEM OPT
J1 LOC 07-199 TERMINAL FIELD A

DESIG EOPT CODE ELEM OPT
J2 LOC 08-193 TERMINAL FIELD A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		142		1/29	
	PWR		143		1/29	
	PWR		144		1/29	
	PWR		052		1/12	
-48V			152		1/12	
	PWR		048		1/28	
	PWR		148		1/28	
CTSH	IO		050		1/28	
DEUTH0	IO		044		1/28	
DEUTH1	IO		046		1/28	
DNH0	IO		038		1/28	
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06170	GRD		051			
	GRD		138			
	GRD		141			
	GRD		145			
	GRD		151			
RESET30	IO		146		1/28	
ROGBH	IO		053		1/30	
ROLC30	IO		055		(Y)1/48, (Z)1/3	
R1GBH	IO		054		1/30	
R1LC30	IO		056		(Y)1/49, (Z)1/4	
SCANH	IO		049		1/28	
SYNCH	IO		042		1/28	
TOGBH	IO		153		1/30	
TOLC30	IO		155		(Y)1/48, (Z)1/3	
T1GBH	IO		154		1/30	
T1LC30	IO		156		(Y)1/49, (Z)1/4	
4MCKHB	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DEUTH1	IO		046		1/28	
DNH0	IO		038		1/28	
DNH1	IO		039		1/28	
DUTH0	IO		043		1/28	
DUTH1	IO		045		1/28	
GRD06178	GRD		051			
	GRD		138			
	GRD		145			
	GRD		151			
RESET31	IO		146		1/28	
ROGBH	IO		053		1/30	
ROLC31	IO		055		(Y)1/55, (Y)1/56 (Z)1/10, (Z)1/11	
R1GBH	IO		054		1/30	
R1LC31	IO		056		(Y)1/55, (Y)1/56 (Z)1/10, (Z)1/11	
SCANH	IO		049		1/28	
SYNCH	IO		042		1/28	
TOGBH	IO		153		1/30	
TOLC31	IO		155		(Y)1/55, (Y)1/56 (Z)1/10, (Z)1/11	
T1GBH	IO		154		1/30	
T1LC31	IO		156		(Y)1/55, (Y)1/56 (Z)1/10, (Z)1/11	
4MCKHB	IO		041		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROLC7	IO		110	Y	1/19 TO CAD 1 - 12	
ROLC8	IO		111	Y	1/20 TO CAD 1 - 12	
ROLC9	IO		112	Y	1/21 TO CAD 1 - 12	
R0001R15	IO		118	Y	(Y)1/53 TO CAD 1 - 12	
TOLC0	IO		003	Y	1/12 TO CAD 1 - 12	
TOLC1	IO		004	Y	1/13 TO CAD 1 - 12	
TOLC10	IO		013	Y	1/22 TO CAD 1 - 12	
TOLC11	IO		014	Y	1/23 TO CAD 1 - 12	
TOLC12	IO		015	Y	1/24 TO CAD 1 - 12	
TOLC13	IO		016	Y	1/25 TO CAD 1 - 12	
TOLC14	IO		017	Y	1/26 TO CAD 1 - 12	
TOLC2	IO		005	Y	1/14 TO CAD 1 - 12	
TOLC3	IO		006	Y	1/15 TO CAD 1 - 12	
TOLC4	IO		007	Y	1/16 TO CAD 1 - 12	
TOLC5	IO		008	Y	1/17 TO CAD 1 - 12	
TOLC6	IO		009	Y	1/18 TO CAD 1 - 12	
TOLC7	IO		010	Y	1/19 TO CAD 1 - 12	
TOLC8	IO		011	Y	1/20 TO CAD 1 - 12	
TOLC9	IO		012	Y	1/21 TO CAD 1 - 12	
T0001T15	IO		018	Y	(Y)1/53 TO CAD 1 - 12	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
R1LC14	IO		131	Y	1/26 TO CAD 1 - 13	
R1LC2	IO		119	Y	1/14 TO CAD 1 - 13	
R1LC3	IO		120	Y	1/15 TO CAD 1 - 13	
R1LC4	IO		121	Y	1/16 TO CAD 1 - 13	
R1LC5	IO		122	Y	1/17 TO CAD 1 - 13	
R1LC6	IO		123	Y	1/18 TO CAD 1 - 13	
R1LC7	IO		124	Y	1/19 TO CAD 1 - 13	
R1LC8	IO		125	Y	1/20 TO CAD 1 - 13	
R1LC9	IO		126	Y	1/21 TO CAD 1 - 13	
R1002R15	IO		132	Y	(Y)1/53 TO CAD 1 - 13	
T1LC0	IO		017	Y	1/12 TO CAD 1 - 13	
T1LC1	IO		018	Y	1/13 TO CAD 1 - 13	
T1LC10	IO		027	Y	1/22 TO CAD 1 - 13	
T1LC11	IO		028	Y	1/23 TO CAD 1 - 13	
T1LC12	IO		029	Y	1/24 TO CAD 1 - 13	
T1LC13	IO		030	Y	1/25 TO CAD 1 - 13	
T1LC14	IO		031	Y	1/26 TO CAD 1 - 13	
T1LC2	IO		019	Y	1/14 TO CAD 1 - 13	
T1LC3	IO		020	Y	1/15 TO CAD 1 - 13	
T1LC4	IO		021	Y	1/16 TO CAD 1 - 13	
T1LC5	IO		022	Y	1/17 TO CAD 1 - 13	
T1LC6	IO		023	Y	1/18 TO CAD 1 - 13	
T1LC7	IO		024	Y	1/19 TO CAD 1 - 13	
T1LC8	IO		025	Y	1/20 TO CAD 1 - 13	
T1LC9	IO		026	Y	1/21 TO CAD 1 - 13	
T1002T15	IO		032	Y	(Y)1/53 TO CAD 1 - 13	

SYMBOL NO. 46
TIP AND RING, RIGHT SIDE

DESIG EOPT CODE ELEM OPT
J1 LOC 07-199 TERMINAL FIELD A

SYMBOL NO. 45
LINE CARD 31

DESIG EOPT CODE ELEM OPT
LC31 LOC 11-178 (SEE NOTE 305-307) A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHB	PWR		040		1/29	
	PWR		140		1/29	
	PWR		141		1/29	
	PWR		142		1/29	
	PWR		143		1/29	
	PWR		144		1/29	
-48V			052		1/12	
	PWR		152		1/12	
-5VH			048		1/28	
	PWR		148		1/28	
CTSH	IO		050		1/28	
DEUTH0	IO		044		1/28	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROLC0	IO		103	Y	1/12 TO CAD 1 - 12	
ROLC1	IO		104	Y	1/13 TO CAD 1 - 12	
ROLC10	IO		113	Y	1/22 TO CAD 1 - 12	
ROLC11	IO		114	Y	1/23 TO CAD 1 - 12	
ROLC12	IO		115	Y	1/24 TO CAD 1 - 12	
ROLC13	IO		116	Y	1/25 TO CAD 1 - 12	
ROLC14	IO		117	Y	1/26 TO CAD 1 - 12	
ROLC2	IO		105	Y	1/14 TO CAD 1 - 12	
ROLC3	IO		106	Y	1/15 TO CAD 1 - 12	
ROLC4	IO		107	Y	1/16 TO CAD 1 - 12	
ROLC5	IO		108	Y	1/17 TO CAD 1 - 12	
ROLC6	IO		109	Y	1/18 TO CAD 1 - 12	

SYMBOL NO. 47
TIP AND RING, RIGHT SIDE

DESIG EOPT CODE ELEM OPT
J2 LOC 08-193 TERMINAL FIELD A

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
R1LC0	IO		117	Y	1/12 TO CAD 1 - 13	
R1LC1	IO		118	Y	1/13 TO CAD 1 - 13	
R1LC10	IO		127	Y	1/22 TO CAD 1 - 13	
R1LC11	IO		128	Y	1/23 TO CAD 1 - 13	
R1LC12	IO		129	Y	1/24 TO CAD 1 - 13	
R1LC13	IO		130	Y	1/25 TO CAD 1 - 13	

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SYMBOL(S) 44 45 46 47

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PART OF FS 1
LINE GROUP 00

SYMBOL NO. 48
TIP AND RING, RIGHT SIDE

SYMBOL NO. 49
TIP AND RING, RIGHT SIDE

SYMBOL NO. 50
LIDB, RIGHT SIDE

SYMBOL NO. 51 (CONT)
LIDB, RIGHT SIDE

SYMBOL NO. 48							SYMBOL NO. 49						SYMBOL NO. 50						SYMBOL NO. 51 (CONT)									
DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			
J3	11-193	TERMINAL FIELD	A				J4	11-199B	TERMINAL FIELD	A				J5	11-189	TERMINAL FIELD	A				J6	11-187	TERMINAL FIELD	A				
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	
ROLC16	IO		141	Y	1/30 TO CAD 1 - 14		R1LC16	IO		045	Y	1/30 TO CAD 1 - 15		ROGBH	IO		056	Y	1/30 TO CAD 1 - 16		DUTOP	IO		144	Y	1/28 TO CAD 1 - 17		
ROLC17	IO		142	Y	1/31 TO CAD 1 - 14		R1LC17	IO		046	Y	1/31 TO CAD 1 - 15		ROGBL	IO		053	Y	1/12 TO CAD 1 - 16		DUT1N	IO		039	Y	1/28 TO CAD 1 - 17		
ROLC18	IO		143	Y	1/32 TO CAD 1 - 14		R1LC18	IO		047	Y	1/32 TO CAD 1 - 15		R1GBH	IO		055	Y	1/30 TO CAD 1 - 16		DUT1P	IO		139	Y	1/28 TO CAD 1 - 17		
ROLC19	IO		144	Y	1/33 TO CAD 1 - 14		R1LC19	IO		048	Y	1/33 TO CAD 1 - 15		R1GBL	IO		052	Y	1/12 TO CAD 1 - 16		SELOW	IO		042	Y	1/28 TO CAD 1 - 17		
ROLC20	IO		145	Y	1/34 TO CAD 1 - 14		R1LC20	IO		049	Y	1/34 TO CAD 1 - 15		TOGBH	IO		156	Y	1/30 TO CAD 1 - 16		SELOP	IO		142	Y	1/28 TO CAD 1 - 17		
ROLC21	IO		146	Y	1/35 TO CAD 1 - 14		R1LC21	IO		050	Y	1/35 TO CAD 1 - 15		TOGBL	IO		153	Y	1/12 TO CAD 1 - 16		SEL1N	IO		037	Y	1/28 TO CAD 1 - 17		
ROLC22	IO		147	Y	1/36 TO CAD 1 - 14		R1LC22	IO		051	Y	1/36 TO CAD 1 - 15		T1GBH	IO		155	Y	1/30 TO CAD 1 - 16		SEL1P	IO		137	Y	1/28 TO CAD 1 - 17		
ROLC23	IO		148	Y	1/37 TO CAD 1 - 14		R1LC23	IO		052	Y	1/37 TO CAD 1 - 15		T1GBL	IO		152	Y	1/12 TO CAD 1 - 16		SYNCON	IO		041	Y	1/28 TO CAD 1 - 17		
ROLC24	IO		149	Y	1/38 TO CAD 1 - 14		R1LC24	IO		053	Y	1/38 TO CAD 1 - 15		00SPROR0	IO		051	Y	(Y)1/54 TO CAD 1 - 16		SYNCOP	IO		141	Y	1/28 TO CAD 1 - 17		
ROLC25	IO		150	Y	1/39 TO CAD 1 - 14		R1LC25	IO		054	Y	1/39 TO CAD 1 - 15		00SPROR1	IO		058	Y	(Y)1/56 TO CAD 1 - 16		SYNC1N	IO		036	Y	1/28 TO CAD 1 - 17		
ROLC26	IO		151	Y	1/40 TO CAD 1 - 14		R1LC26	IO		055	Y	1/40 TO CAD 1 - 15		00SPROT0	IO		151	Y	(Y)1/54 TO CAD 1 - 16		SYNC1P	IO		136	Y	1/28 TO CAD 1 - 17		
ROLC27	IO		152	Y	1/41 TO CAD 1 - 14		R1LC27	IO		056	Y	1/41 TO CAD 1 - 15		00SPROT1	IO		158	Y	(Y)1/56 TO CAD 1 - 16									
ROLC28	IO		153	Y	1/42 TO CAD 1 - 14		R1LC28	IO		057	Y	1/42 TO CAD 1 - 15		00SPR1R0	IO		050	Y	(Y)1/54 TO CAD 1 - 16									
ROLC29	IO		154	Y	1/43 TO CAD 1 - 14		R1LC29	IO		058	Y	1/43 TO CAD 1 - 15		00SPR1R1	IO		057	Y	(Y)1/56 TO CAD 1 - 16									
ROLC30	IO		155	Y	1/44 TO CAD 1 - 14		R1LC30	IO		059	Y	1/44 TO CAD 1 - 15		00SPR1T0	IO		150	Y	(Y)1/54 TO CAD 1 - 16									
R0003R15	IO		156	Y	(Y)1/55 TO CAD 1 - 14		R1004R15	IO		060	Y	(Y)1/55 TO CAD 1 - 15		00SPR1T1	IO		157	Y	(Y)1/56 TO CAD 1 - 16									
TOLC16	IO		041	Y	1/30 TO CAD 1 - 14		T1LC16	IO		145	Y	1/30 TO CAD 1 - 15		48ALM1	IO		161	Y	1/29 TO CAD 1 - 16									
TOLC17	IO		042	Y	1/31 TO CAD 1 - 14		T1LC17	IO		146	Y	1/31 TO CAD 1 - 15		48ALM2	IO		061	Y	1/29 TO CAD 1 - 16									
TOLC18	IO		043	Y	1/32 TO CAD 1 - 14		T1LC18	IO		147	Y	1/32 TO CAD 1 - 15		SYMBOL NO. 51 LIDB, RIGHT SIDE														
TOLC19	IO		044	Y	1/33 TO CAD 1 - 14		T1LC19	IO		148	Y	1/33 TO CAD 1 - 15								DESIG	EQPT LOC	CODE	ELEM IDENT	OPT				
TOLC20	IO		045	Y	1/34 TO CAD 1 - 14		T1LC20	IO		149	Y	1/34 TO CAD 1 - 15		J6	11-187	TERMINAL FIELD	A											
TOLC21	IO		046	Y	1/35 TO CAD 1 - 14		T1LC21	IO		150	Y	1/35 TO CAD 1 - 15		LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE								
TOLC22	IO		047	Y	1/36 TO CAD 1 - 14		T1LC22	IO		151	Y	1/36 TO CAD 1 - 15		CLKON	IO		040	Y	1/28 TO CAD 1 - 17									
TOLC23	IO		048	Y	1/37 TO CAD 1 - 14		T1LC23	IO		152	Y	1/37 TO CAD 1 - 15		CLKOP	IO		140	Y	1/28 TO CAD 1 - 17									
TOLC24	IO		049	Y	1/38 TO CAD 1 - 14		T1LC24	IO		153	Y	1/38 TO CAD 1 - 15		CLK1N	IO		035	Y	1/28 TO CAD 1 - 17									
TOLC25	IO		050	Y	1/39 TO CAD 1 - 14		T1LC25	IO		154	Y	1/39 TO CAD 1 - 15		CLK1P	IO		135	Y	1/28 TO CAD 1 - 17									
TOLC26	IO		051	Y	1/40 TO CAD 1 - 14		T1LC26	IO		155	Y	1/40 TO CAD 1 - 15		DN0N	IO		043	Y	1/28 TO CAD 1 - 17									
TOLC27	IO		052	Y	1/41 TO CAD 1 - 14		T1LC27	IO		156	Y	1/41 TO CAD 1 - 15		DN0P	IO		143	Y	1/28 TO CAD 1 - 17									
TOLC28	IO		053	Y	1/42 TO CAD 1 - 14		T1LC28	IO		157	Y	1/42 TO CAD 1 - 15		DN1N	IO		038	Y	1/28 TO CAD 1 - 17									
TOLC29	IO		054	Y	1/43 TO CAD 1 - 14		T1LC29	IO		158	Y	1/43 TO CAD 1 - 15		DN1P	IO		138	Y	1/28 TO CAD 1 - 17									
TOLC30	IO		055	Y	1/44 TO CAD 1 - 14		T1LC30	IO		159	Y	1/44 TO CAD 1 - 15		DUTON	IO		044	Y	1/28 TO CAD 1 - 17									
T0003T15	IO		056	Y	(Y)1/55 TO CAD 1 - 14		T1004T15	IO		160	Y	(Y)1/55 TO CAD 1 - 15																

PART OF FS 1
SYMBOL(S) 48 49 50 51

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INTEGRATED SERVICES LINE UNIT-DRAWER		DWG SIZE 2
AT&T BELL LABORATORIES		ISSUE 1
SD-5D090-01		B1CM

PART OF FS 1
LINE GROUP 00

SYMBOL NO. 52
POWER, RIGHT SIDE

SYMBOL NO. 53
LC15 OPTION, RIGHT SIDE

SYMBOL NO. 55
LC15 OPTION, RIGHT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
J7	07-187	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC15OPT	06-191A	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC15OPT	06-194A	TERMINAL FIELD	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
-48RTH	GRD		102	Y	TO CAD 1 - 18	
	GRD		103	Y	TO CAD 1 - 18	
	GRD		104	Y	TO CAD 1 - 18	
	GRD		105	Y	TO CAD 1 - 18	
	GRD		106	Y	TO CAD 1 - 18	
	GRD		107	Y	TO CAD 1 - 18	
	GRD		108	Y	TO CAD 1 - 18	
	GRD		109	Y	TO CAD 1 - 18	
	GRD		110	Y	TO CAD 1 - 18	
	GRD		111	Y	TO CAD 1 - 18	
	GRD		112	Y	TO CAD 1 - 18	
	GRD		113	Y	TO CAD 1 - 18	
	GRD		114	Y	TO CAD 1 - 18	
	GRD		115	Y	TO CAD 1 - 18	
	GRD		116	Y	TO CAD 1 - 18	
-48V	PWR		002	Y	1/12 TO CAD 1 - 18	
	PWR		003	Y	1/12 TO CAD 1 - 18	
	PWR		004	Y	1/12 TO CAD 1 - 18	
	PWR		005	Y	1/12 TO CAD 1 - 18	
	PWR		006	Y	1/12 TO CAD 1 - 18	
	PWR		007	Y	1/12 TO CAD 1 - 18	
	PWR		008	Y	1/12 TO CAD 1 - 18	
	PWR		009	Y	1/12 TO CAD 1 - 18	
	PWR		010	Y	1/12 TO CAD 1 - 18	
	PWR		011	Y	1/12 TO CAD 1 - 18	
	PWR		012	Y	1/12 TO CAD 1 - 18	
	PWR		013	Y	1/12 TO CAD 1 - 18	
	PWR		014	Y	1/12 TO CAD 1 - 18	
	PWR		015	Y	1/12 TO CAD 1 - 18	
	PWR		016	Y	1/12 TO CAD 1 - 18	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL15	IO		001	Y	1/27 TO CAD 1 - 19	
R1LC15	IO		003	Y	1/27 TO CAD 1 - 19	
TOLC15	IO		000	Y	1/27 TO CAD 1 - 19	
T1LC15	IO		002	Y	1/27 TO CAD 1 - 19	
00SPR0R0	IO		101	Y	(Y)1/50 TO CAD 1 - 19	
00SPR0T0	IO		100	Y	(Y)1/50 TO CAD 1 - 19	
00SPR1R0	IO		103	Y	(Y)1/50 TO CAD 1 - 19	
00SPR1T0	IO		102	Y	(Y)1/50 TO CAD 1 - 19	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL15	IO		101	Y	1/27 TO CAD 1 - 20	
R0001R15	IO		001	Y	(Y)1/46 TO CAD 1 - 20	
R1LC15	IO		103	Y	1/27 TO CAD 1 - 20	
R1002R15	IO		003	Y	(Y)1/47 TO CAD 1 - 20	
TOLC15	IO		100	Y	1/27 TO CAD 1 - 20	
T0001T15	IO		000	Y	(Y)1/46 TO CAD 1 - 20	
T1LC15	IO		102	Y	1/27 TO CAD 1 - 20	
T1002T15	IO		002	Y	(Y)1/47 TO CAD 1 - 20	

SYMBOL NO. 54
LC31 OPTION, RIGHT SIDE

SYMBOL NO. 56
LC31 OPTION, RIGHT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC31OPT	06-191B	TERMINAL FIELD	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
LC31OPT	06-194B	TERMINAL FIELD	A	

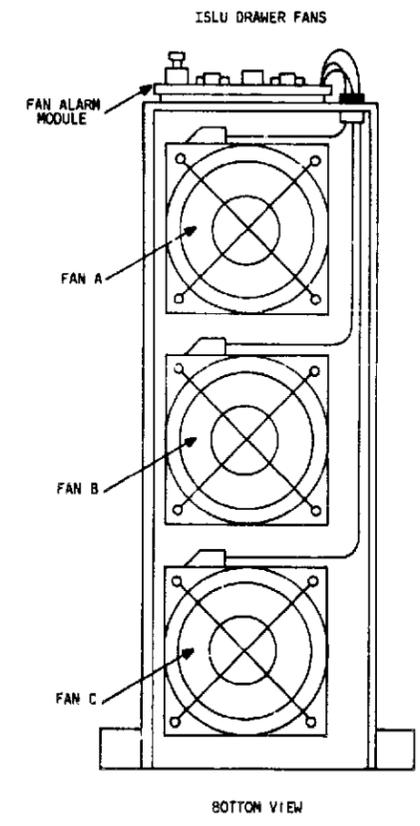
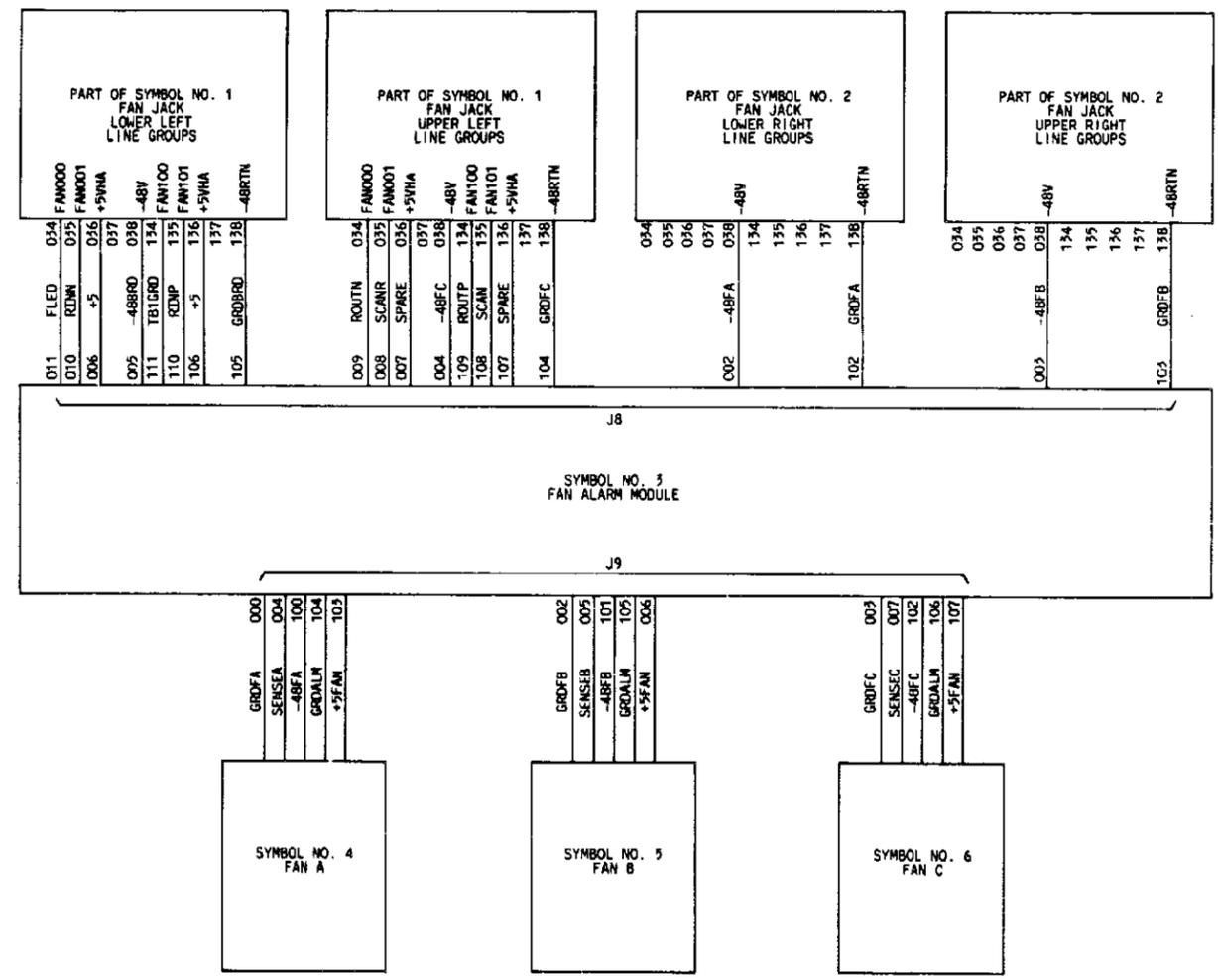
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL31	IO		008	Y	1/45 TO CAD 1 - 21	
R1LC31	IO		010	Y	1/45 TO CAD 1 - 21	
TOLC31	IO		007	Y	1/45 TO CAD 1 - 21	
T1LC31	IO		009	Y	1/45 TO CAD 1 - 21	
00SPR0R1	IO		108	Y	(Y)1/50 TO CAD 1 - 21	
00SPR0T1	IO		107	Y	(Y)1/50 TO CAD 1 - 21	
00SPR1R1	IO		110	Y	(Y)1/50 TO CAD 1 - 21	
00SPR1T1	IO		109	Y	(Y)1/50 TO CAD 1 - 21	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ROL31	IO		108	Y	1/45 TO CAD 1 - 22	
R0003R15	IO		008	Y	(Y)1/48 TO CAD 1 - 22	
R1LC31	IO		110	Y	1/45 TO CAD 1 - 22	
R1004R15	IO		010	Y	(Y)1/49 TO CAD 1 - 22	
TOLC31	IO		107	Y	1/45 TO CAD 1 - 22	
T0003T15	IO		007	Y	(Y)1/48 TO CAD 1 - 22	
T1LC31	IO		109	Y	1/45 TO CAD 1 - 22	
T1004T15	IO		009	Y	(Y)1/49 TO CAD 1 - 22	

PART OF FS 1
SYMBOL(S) 52 53 54 55 56

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INTEGRATED SERVICES LINE UNIT- DRAWER	DWG SIZE C2	ISSUE 2D
AT&T BELL LABORATORIES	SD-5D090-01	B1CN

COMPOSITE DIAGRAM I
DRAWER FAN ALARM CIRCUIT



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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE 11	ISSUE 2D
AT&T BELL LABORATORIES 30-50090-01		SHEET B2AA	

PART OF FS 2
FAN UNIT

SYMBOL NO. 1
FAN OPTION, LEFT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
FAN	11-030A	TERMINAL FIELD	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
+5VHA	PWR		036	Z	1/28 TO CAD 1 - 23	
	PWR		136	Z	1/28 TO CAD 1 - 23	
-48RTN	GRD		138	Z	TO CAD 1 - 23	
-48V	PWR		038	Z	1/12 TO CAD 1 - 23	
FAN000	IO		034	Z	(2)1/6 TO CAD 1 - 23	
FAN001	IO		035	Z	(2)1/6 TO CAD 1 - 23	
FAN100	IO		134	Z	(2)1/6 TO CAD 1 - 23	
FAN101	IO		135	Z	(2)1/6 TO CAD 1 - 23	

SYMBOL NO. 2
FAN OPTION, RIGHT SIDE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
FAN	11-199A	TERMINAL FIELD	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
-48RTN	GRD		138	Y	TO CAD 1 - 24	
-48V	PWR		038	Y	1/12 TO CAD 1 - 24	

PART OF FS 2
SYMBOL(S) 1 2

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INTEGRATED SERVICES LINE UNIT- DRAWER	DWG SIZE 2	ISSUE 2D
AT&T BELL LABORATORIES	SD-5D090-01	B2CA

0 1 2 3 4 5 6 7 8 9

A A

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
LG	5	-48	LINE GROUP
<u>BATTERY SYMBOL</u>		<u>VOLTAGE RANGE</u>	
-48V		-42.75 TO -52.25	

102. THE B SECTION OF THIS SD PRESENTS THE LINE GROUP WIRING. EACH LINE GROUP IS FUNCTIONALLY AND ELECTRICALLY SIMILAR. THE LINE GROUP BACKPLANES ARE PHYSICALLY DIFFERENT. THE BACKPLANES MOUNTED IN LINE GROUP 00 AND 01 HAVE DIFFERENT JACK EQLS THAN LINE GROUP BACKPLANES 02 AND 03. LINE GROUP 00, 01, 04, 05, 08, 09, 12 AND 13 JACKS ARE IDENTIFIED AS OPTION (Z) FS 1 SYMBOLS 1 THROUGH 11. LINE GROUP 02, 03, 06, 07, 10, 11, 14 AND 15 JACKS ARE IDENTIFIED AS OPTION (Y) FS 1 SYMBOLS 46 THROUGH 56. LINE CARD DEPTH EQLS ARE THE SAME FOR ALL LINE GROUPS. SEE CAD 1 AND NOTE 309.

D D

E E

F F

G G

H H

0 1 2 3 4 5 6 7 8 9

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INTEGRATED SERVICES LINE UNIT- DRAWER		DWG SIZE 88	ISSUE /
AT&T BELL LABORATORIES	SD-50090-01	SHEET DIA	

EQUIPMENT NOTES:

- 201. UNLESS OTHERWISE SPECIFIED ALL BACKPLANE WIRING IS PRINTED WIRING.
- 202. EACH LINE GROUP CAN BE EQUIPPED WITH ANY COMBINATION OF APP FIGS. 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 OR 17 UP TO A MAXIMUM COMBINED TOTAL OF 32 CARDS. A LINE GROUP DOES NOT HAVE TO HAVE ALL CARD SLOTS EQUIPPED BEFORE THE NEXT LINE GROUP IS EQUIPPED.
- 203. THE FOLLOWING TABLE WILL IDENTIFY WHICH LINE CARD CIRCUIT PACKS CAN BE USED FOR SPARING AND THE MAXIMUM QUANTITY OF CIRCUIT PACKS THAT CAN BE SPARED.

APP FIG.	APP CODE	SPARE	NON-SPARE	QTY. SPARED PER ISLU
3	KCB7		X	0
4	KCB6, KCB6B	X		1
5	6A, KCB10	X		1
6	KCB16		X	0
7	KCB1, KCB1B	X		0
8	KCB2	X		2
9	KCB3, KCB3B	X		2
10	KCB4, KCB4B	X		2
11	KCB5, KCB5B	X		2
12	KCB11	X		2
13	KCB12	X		2
14	KCB13	X		2
15	KCB14	X		2
16	KCB15	X		2
17	KCB17	X		2

- 204. THE FOLLOWING TABLE WILL IDENTIFY WHICH DRAWER UNIT CIRCUIT PACKS CAN BE PULLED "HOT" AND WHICH CIRCUIT PACKS MUST BE PULLED IN A SPECIFIC SEQUENCE.

APPARATUS CODE	CIRCUIT PACK REMOVAL PROCEDURES		
	PULL "HOT"	REMOVE UNIT POWER	SEQUENCED
KCB1	X		NO
KCB1B	X		NO
KCB2	X		NO
KCB3	X		NO
KCB3B	X		NO
KCB4	X		NO
KCB4B	X		NO
KCB5	X		NO
KCB5B	X		NO
KCB6	X		NO
KCB6B	X		NO
KCB7	X		NO
KCB10	X		NO
KCB11	X		NO
KCB12	X		NO
KCB13	X		NO
KCB14	X		NO
KCB15	X		NO
KCB16	X		NO
KCB17	X		NO
KCD2	X		NO
KCD3	X		NO
KCD3B	X		NO
551A	X		NO
553B	X		NO
6A	X		NO

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INTEGRATED SERVICES LINE UNIT-DRAWER		DWG SIZE	ISSUE
		66	4B
AT&T	SD-50090-01	SHEET D2A	

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS,
CAPACITANCE VALUES ARE IN MICROFARADS
VALUES PRECEDED BY THE SYMBOL + (PLUS)
OR - (MINUS) ARE IN VOLTS.

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY
BACKPLANES (4), DRAWER AND FAN (NOTE 102)	1	Z Y	2 EACH
LINE GROUP CONTROL KCD5	2	S T	1 PER CKT
APPARATUS REQUIRED IN ADDITION TO APP FIGS. 1 AND 2 TO PROVIDE ONE T-INTERFACE PACK (KCB7) SEE NOTE 202	3		AS REQD
APPARATUS REQUIRED IN ADDITION TO APP FIG. 1 AND 2 TO PROVIDE ONE DOMESTIC ANALOG PACK SEE NOTE 202	4	Q R	AS REQD
APPARATUS REQUIRED IN ADDITION TO APP FIG. 1 AND 2 TO PROVIDE ONE U-INTERFACE UNIT SEE NOTE 202	5	U V	AS REQD
APPARATUS ALWAYS REQUIRED IN ADDITION TO APP FIGS. 4 OR 5 TO PROVIDE ONE AUXILIARY POWER PACK (KCB16) SEE NOTES 202, 309-311.	6		AS REQD
APPARATUS REQUIRED IN ADDITION TO APP FIGS. 1 AND 2 TO PROVIDE Z-ANALOG CIRCUIT PACKS FOR:			
NETHERLANDS	KCB1B KCB1	M N	AS REQD
UNITED KINGDOM	KCB2		AS REQD
TAIWAN	KCB3B KCB3	J K	AS REQD
REPUBLIC OF KOREA	KCB4B KCB4	F G	AS REQD
THE PEOPLES REPUBLIC OF CHINA	KCB5B KCB5	H E	AS REQD
SAUDI ARABIA	KCB11		AS REQD
SAUDI ARABIA WITH PERIODIC PULSE MONITORING	KCB12		AS REQD
SINGAPORE	KCB13		AS REQD
SINGAPORE WITH PERIODIC PULSE MONITORING	KCB14		AS REQD
SPAIN	KCB15		AS REQD
POWER SUPPLY	LINE GROUP POWER KCD2 SEE NOTES 310,311	X	1 PER CKT
	LINE GROUP POWER SUPPLY 553A SEE NOTES 308-311	W	
	LINE GROUP POWER SUPPLY 553B SEE NOTES 309,310,317	A	
APPARATUS REQUIRED IN ADDITION TO APP FIG. 1 AND 2 TO PROVIDE ONE ANSI-STD U-DIGITAL SUBSCRIBER INTERFACE PACK (KCB17) SEE NOTE 202	17		AS REQD

INFORMATION NOTES (CONT):

303.

CHANGES ON ISSUE	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION HAS FURN	SEE NOTE	USE IN CIRCUIT	
				AVAIL	DA
3B	W OR X	X	30B THRU 311	W	
3B	U OR V	V	312 THRU 315	U	
4B	S OR T	T	31B	S	
4B	Q OR R	R		Q	
4B	M OR N	N		M	
4B	J OR K	K		J	
4B	F OR G	G		F	
4B	B OR E	E		B	
4B	W, X OR A	A	30B THRU 311, 317	A	

304.

CIRCUIT PACK CODE OR MICROCODE	COMMON LANGUAGE EQUIPMENT IDENTIFICATION CODE (CLEI)
KCB1	E5AL1G0AXX
KCB1B	E5AL1G2AXX
KCB2	E5AL1F0AXX
KCB3	E5AL1E0AXX
KCB3B	E5AL1J2AXX
KCB4	E5AL1E0AXX
KCB4I	E5AL1D7AXX
KCB5	E5AL1C0AXX
KCB5B	E5AL1C2AXX
KCB6	E5ISA00AXX
KCB6B	E5ISA18AXX
KCB7	E5ISB00AXX
KCB10	E5IS000AXX
KCB11	E5AL1B0AXX
KCB12	E5AL2B0AXX
KCB13	E5AL1A0AXX
KCB14	E5AL2A0AXX
KCB15	E5AL1H0AXX
KCB17	E5ISQ20AXX
KCD2	E5PQ904AXX
KCD5	E5PQ90CAXX
KCD3B	E5PQ98AAXX
553A	P4PQ96PAXX
553B	P4PQ96ZAXX
6A	E5ISL00BXX

305. WHEN EQUIPPING LINE CARD SLOTS LC00 THROUGH LC31 REFER TO NOTE 302.
306. WHEN PARTIALLY EQUIPPING A LINE GROUP UNUSED CIRCUIT PACK SLOTS SHOULD BE ALLOCATED TO ACCOMMODATE THE POSSIBLE GROWTH OF DOUBLE-WIDE CIRCUIT PACKS 6A FOR FUTURE USES. THIS WILL OPTIMIZE FUTURE LINE GROUP GROWTH.
307. LOCATION OF KCB1, KCB1B, KCB2, KCB3, KCB3B, KCB4, KCB4B, KCB5, KCB5B, KCB6, KCB6B, KCB7, KCB11, KCB12, KCB13, KCB14, KCB15, KCB16, KCB17, OR 6A. KCB10 CIRCUIT PACKS ARE TO BE SPECIFIED BY THE LINE ENGINEER.
308. THE 553A CAN ONLY BE USED IN OFFICES BELOW 5EE4.2 GENERIC.
309. THE AUXILIARY POWER PACK (KCB16) IS NOT REQUIRED IN LINE GROUPS WHERE A 553A OR 553B LINE GROUP POWER SUPPLY IS EQUIPPED.
310. THE LINE GROUP POWER PACK (KCD2), AND THE AUXILIARY POWER PACK (KCB16) CAN BE EQUIPPED WITHIN THE SAME UNIT AS THE LINE GROUP POWER SUPPLY (553A OR 553B) BUT NOT WITHIN THE SAME LINE GROUP.
311. THE LINE GROUP POWER PACK (KCD2) AND THE AUXILIARY POWER PACK (KCB16) CAN BE USED IN ANY GENERIC OFFICE OF A GENERIC BELOW 5E6 OR 5EE4.2.

INFORMATION NOTES (CONT):

312. THE KCB10 CAN ONLY BE USED IN OFFICES OF A 5E4(2) OR 5EE3 GENERIC OR BEYOND.
313. THE KCB10 TAKES UP ONLY ONE LINE CARD CIRCUIT PACK SLOT.
314. THE 6A U-INTERFACE CAN BE USED IN ANY GENERIC OFFICE IN WHICH THERE IS AN ISLU.
315. THE KCB10 AND THE 6A U-INTERFACE CIRCUIT PACKS CAN BE USED WITHIN THE SAME LINE GROUP.
316. WHEN 2 ISLUS ARE MOUNTED IN A CABINET, EITHER THE 2 X 3 CONNECTOR AT EQL 099-051 (6-FAN FAN UNIT CONNECTOR) WILL BE USED FOR LIGHTING THE BAZEL LEDS OR THE 2 X 3 CONNECTOR AT EQL 099-032 (3-FAN FAN UNIT CONNECTOR) WILL BE USED FOR LIGHTING THE BAZEL LEDS.
317. THE LINE GROUP POWER CIRCUIT PACK (553B) CAN BE USED IN ANY GENERIC OFFICE. IT IS REQUIRED IN ALL 5E6 OR 5EE4.2 GENERIC APPLICATIONS OR GREATER (BOTH NEW AND RETROFIT).
318. THE LINE GROUP CONTROL CIRCUIT PACK (KCD5B) CAN BE USED IN ANY GENERIC OFFICE. IT IS ONLY REQUIRED IN NEW OFFICES OF A 5E6 OR 5EE4.2 GENERIC OR GREATER (NOT REQUIRED FOR RETROFITS).
319. THE ANSI-STD U-DIGITAL SUBSCRIBER INTERFACE PACK (KCB17) CAN ONLY BE USED IN OFFICES OF A 5E6 OR 5EE4.2 GENERIC OR GREATER.

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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE	ISSUE
		68	4B
AT&T	SD-5D090-01	SHEET D3A	

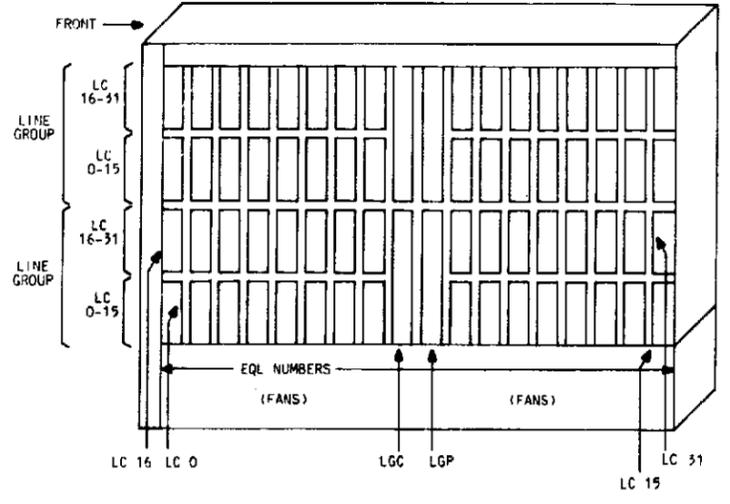
0 1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G
H

A
B
C
D
E
F
G
H

NOTE 316.

RIGHT FACE OF DRAWER



LEFT FACE OF DRAWER

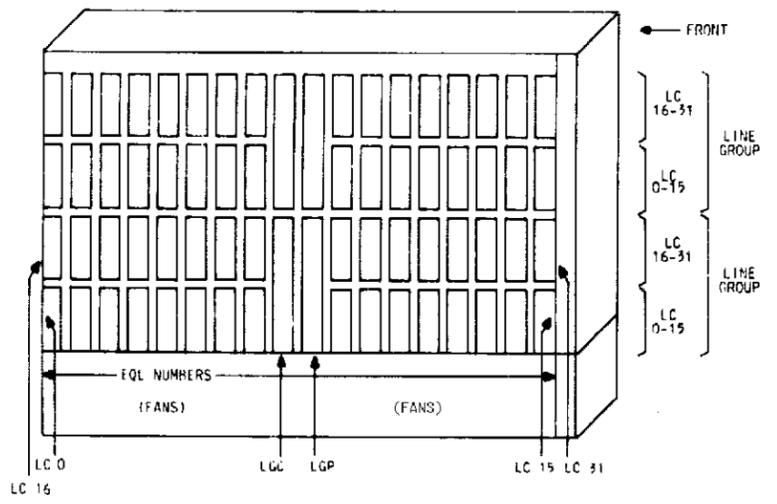


FIG. 1
LEFT AND RIGHT SIDE
VIEW OF DRAWER

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INTEGRATED SERVICES LINE UNIT - DRAWER		DWG SIZE 68	ISSUE 3B
AT&T BELL LABORATORIES	SD-5D090-01	SHEET 03B	

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G
H

UNIT SYMBOL TABLE OF CONTENTS				
FUNCTION	DESCRIPTION (LOWER LEFT PIN OF CONNECTOR)	SIZE	ELEMENT	
TIP & RING	LOWER LEFT SIDE LINE GROUPS	(07-030-103) J1	2 X 17	01
		(08-036-117) J2	2 X 17	02
		(11-036-141) J3	2 X 17	03
		(11-030B-145) J4	2 X 17	04
	LOWER RIGHT SIDE LINE GROUPS	(07-199-103) J1	2 X 17	12
		(08-193-117) J2	2 X 17	13
		(11-193-141) J3	2 X 17	14
		(11-199B-145) J4	2 X 17	15
TEST & RINGING	LOWER LEFT SIDE LINE GROUPS	(11-040-150) J5	2 X 12	05
		(11-189-150) J5	2 X 12	16
CONTROL	LOWER RIGHT SIDE LINE GROUPS	(11-042-135) J6	2 X 12	06
		(11-187-135) J6	2 X 12	16
POWER	LEFT SIDE	(07-042-102) J7	2 X 15	07
	RIGHT SIDE	(07-187-102) J7	2 X 15	18
LINE CARD 15 OPTION	LEFT SIDE	(06-035A-100)	2 X 5	08
		(06-038A-100)	2 X 5	09
	RIGHT SIDE	(06-191A-100)	2 X 5	19
		(06-194A-100)	2 X 5	20
LINE CARD 31 OPTION	LEFT SIDE	(06-035B-107)	2 X 5	10
		(06-038B-107)	2 X 5	11
	RIGHT SIDE	(06-191B-107)	2 X 5	21
		(06-194B-107)	2 X 5	22

UNIT SYMBOL TABLE OF CONTENTS				
FUNCTION	DESCRIPTION (LOWER LEFT PIN OF CONNECTOR)	SIZE	ELEMENT	
FAN	LEFT SIDE	(11-030A-134)	2 X 5	23
	RIGHT SIDE	(11-199A-134)	2 X 5	24

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INTEGRATED SERVICES LINE UNIT - DRAWER			DWG SIZE 00	ISSUE 2D
AT&T BELL LABORATORIES		SD-50090-01	SHEET GBIA	

0 1 2 3 4 5 6 7 8 9

CIRCUIT ACCESS REFERENCE DATA

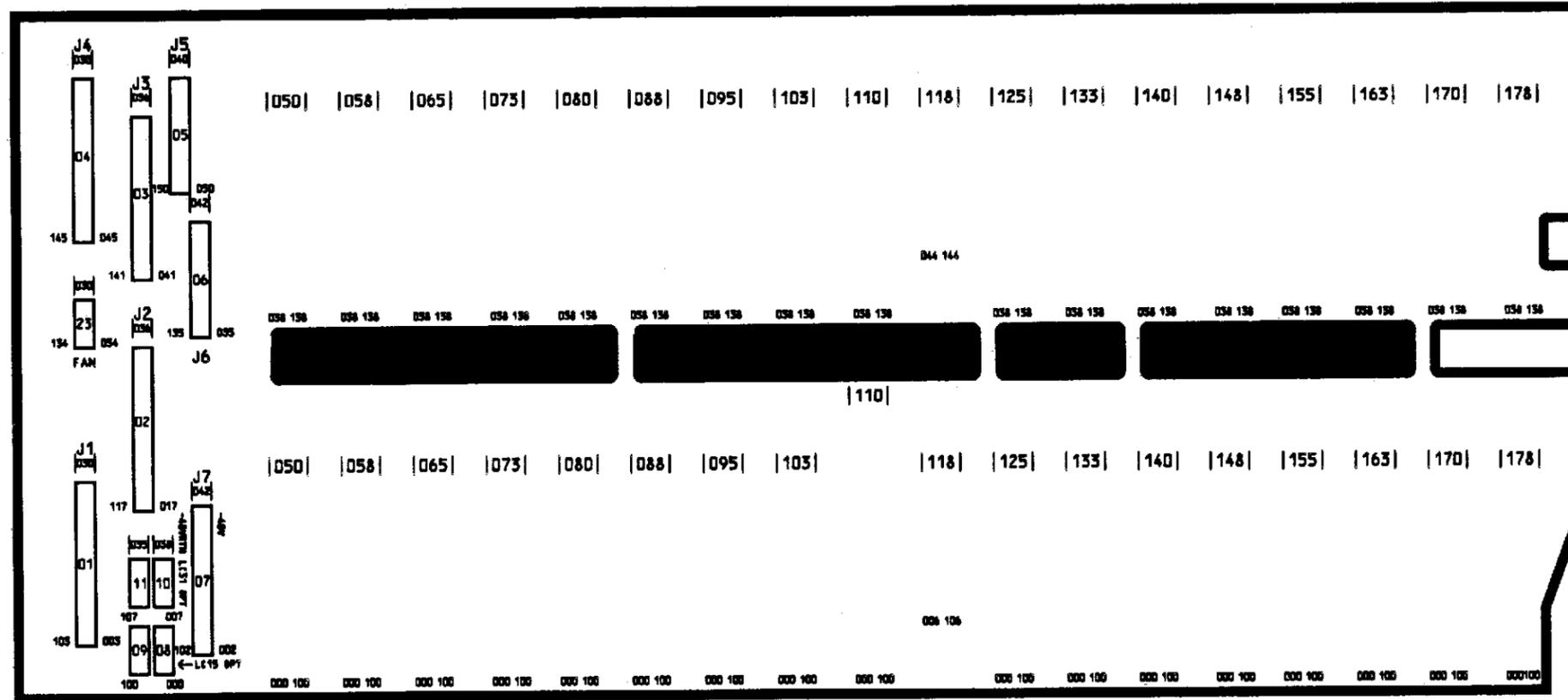


FIG. 1

BACKPLANE PICTORIAL WIRING LEFT SIDE

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INTEGRATED SERVICES LINE UNIT - DRAWER	DWG SIZE c2	ISSUE 20
AT&T BELL LABORATORIES	SD-5D090-01	GB1B

CIRCUIT ACCESS REFERENCE DATA

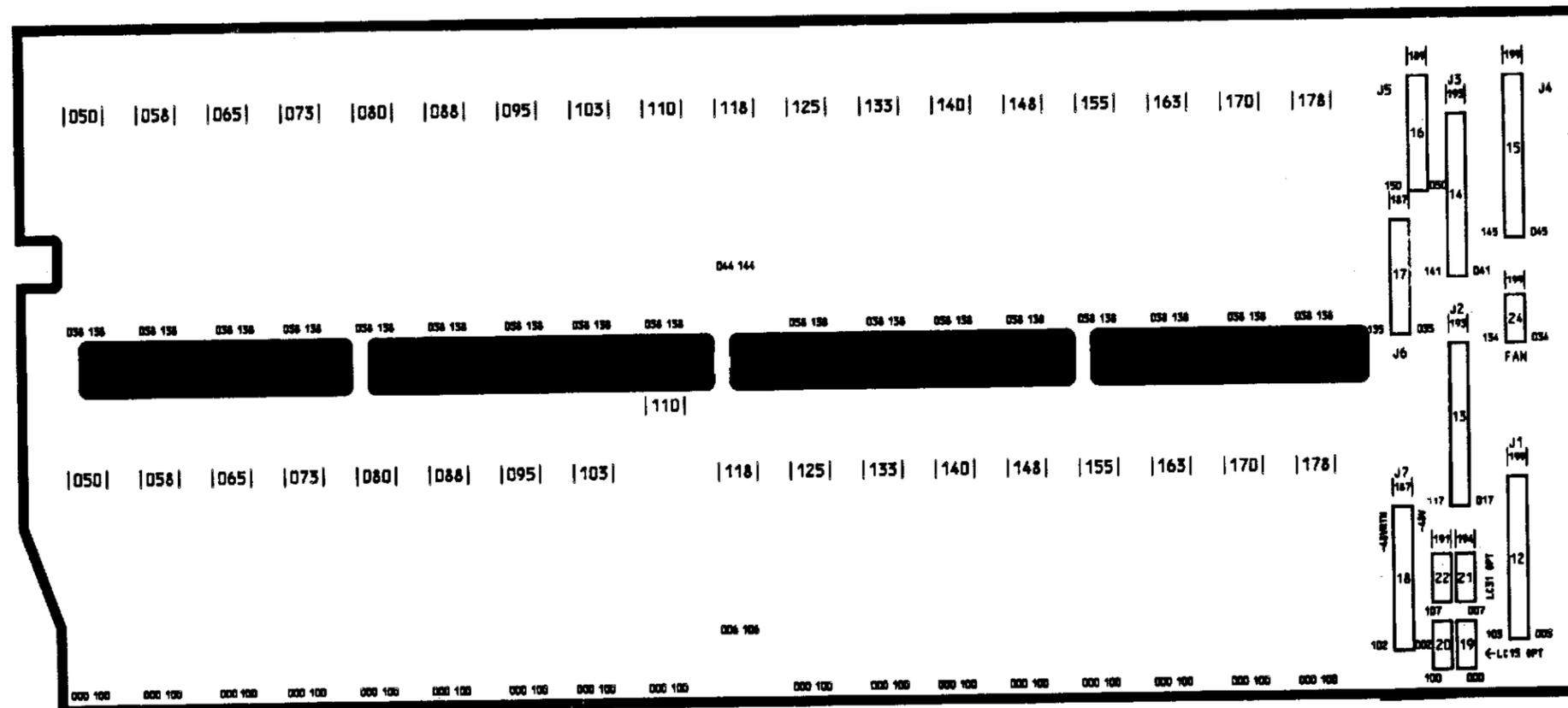


FIG. 2

BACKPLANE PICTORIAL WIRING RIGHT SIDE

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INTEGRATED SERVICES LINE UNIT - DRAWER	DWG SIZE E2	ISSUE 20
AT&T BELL LABORATORIES	SD-5D090-01	GB1C

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER
01

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC0	IO	07-030-103	07-030-103	1/1	Z
ROLC1	IO	07-030-104	07-030-104	1/1	Z
ROLC10	IO	07-030-113	07-030-113	1/1	Z
ROLC11	IO	07-030-114	07-030-114	1/1	Z
ROLC12	IO	07-030-115	07-030-115	1/1	Z
ROLC13	IO	07-030-116	07-030-116	1/1	Z
ROLC14	IO	07-030-117	07-030-117	1/1	Z
ROLC2	IO	07-030-105	07-030-105	1/1	Z
ROLC3	IO	07-030-106	07-030-106	1/1	Z
ROLC4	IO	07-030-107	07-030-107	1/1	Z
ROLC5	IO	07-030-108	07-030-108	1/1	Z
ROLC6	IO	07-030-109	07-030-109	1/1	Z
ROLC7	IO	07-030-110	07-030-110	1/1	Z
ROLC8	IO	07-030-111	07-030-111	1/1	Z
ROLC9	IO	07-030-112	07-030-112	1/1	Z
R0001R15	IO	07-030-118	06-035A-001	1/8	Z
TOLC0	IO	07-030-003	07-030-003	1/1	Z
TOLC1	IO	07-030-004	07-030-004	1/1	Z
TOLC10	IO	07-030-013	07-030-013	1/1	Z
TOLC11	IO	07-030-014	07-030-014	1/1	Z
TOLC12	IO	07-030-015	07-030-015	1/1	Z
TOLC13	IO	07-030-016	07-030-016	1/1	Z
TOLC14	IO	07-030-017	07-030-017	1/1	Z
TOLC2	IO	07-030-005	07-030-005	1/1	Z
TOLC3	IO	07-030-006	07-030-006	1/1	Z
TOLC4	IO	07-030-007	07-030-007	1/1	Z
TOLC5	IO	07-030-008	07-030-008	1/1	Z
TOLC6	IO	07-030-009	07-030-009	1/1	Z
TOLC7	IO	07-030-010	07-030-010	1/1	Z
TOLC8	IO	07-030-011	07-030-011	1/1	Z
TOLC9	IO	07-030-012	07-030-012	1/1	Z
T0001T15	IO	07-030-018	06-035A-000	1/8	Z

ELEMENT IDENTIFIER
02

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
R1LC0	IO	08-036-117	08-036-117	1/2	Z
R1LC1	IO	08-036-118	08-036-118	1/2	Z
R1LC10	IO	08-036-127	08-036-127	1/2	Z
R1LC11	IO	08-036-128	08-036-128	1/2	Z
R1LC12	IO	08-036-129	08-036-129	1/2	Z
R1LC13	IO	08-036-130	08-036-130	1/2	Z
R1LC14	IO	08-036-131	08-036-131	1/2	Z
R1LC2	IO	08-036-119	08-036-119	1/2	Z
R1LC3	IO	08-036-120	08-036-120	1/2	Z
R1LC4	IO	08-036-121	08-036-121	1/2	Z
R1LC5	IO	08-036-122	08-036-122	1/2	Z
R1LC6	IO	08-036-123	08-036-123	1/2	Z
R1LC7	IO	08-036-124	08-036-124	1/2	Z
R1LC8	IO	08-036-125	08-036-125	1/2	Z
R1LC9	IO	08-036-126	08-036-126	1/2	Z
R1002R15	IO	08-036-132	06-035A-003	1/8	Z
T1LC0	IO	08-036-017	08-036-017	1/2	Z
T1LC1	IO	08-036-018	08-036-018	1/2	Z
T1LC10	IO	08-036-027	08-036-027	1/2	Z
T1LC11	IO	08-036-028	08-036-028	1/2	Z
T1LC12	IO	08-036-029	08-036-029	1/2	Z
T1LC13	IO	08-036-030	08-036-030	1/2	Z
T1LC14	IO	08-036-031	08-036-031	1/2	Z

ELEMENT IDENTIFIER (CONT)
02

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
T1LC2	IO	08-036-019	08-036-019	1/2	Z
T1LC3	IO	08-036-020	08-036-020	1/2	Z
T1LC4	IO	08-036-021	08-036-021	1/2	Z
T1LC5	IO	08-036-022	08-036-022	1/2	Z
T1LC6	IO	08-036-023	08-036-023	1/2	Z
T1LC7	IO	08-036-024	08-036-024	1/2	Z
T1LC8	IO	08-036-025	08-036-025	1/2	Z
T1LC9	IO	08-036-026	08-036-026	1/2	Z
T1002T15	IO	08-036-032	06-035A-002	1/8	Z

ELEMENT IDENTIFIER
03

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC16	IO	11-036-141	11-036-141	1/3	Z
ROLC17	IO	11-036-142	11-036-142	1/3	Z
ROLC18	IO	11-036-143	11-036-143	1/3	Z
ROLC19	IO	11-036-144	11-036-144	1/3	Z
ROLC20	IO	11-036-145	11-036-145	1/3	Z
ROLC21	IO	11-036-146	11-036-146	1/3	Z
ROLC22	IO	11-036-147	11-036-147	1/3	Z
ROLC23	IO	11-036-148	11-036-148	1/3	Z
ROLC24	IO	11-036-149	11-036-149	1/3	Z
ROLC25	IO	11-036-150	11-036-150	1/3	Z
ROLC26	IO	11-036-151	11-036-151	1/3	Z
ROLC27	IO	11-036-152	11-036-152	1/3	Z
ROLC28	IO	11-036-153	11-036-153	1/3	Z
ROLC29	IO	11-036-154	11-036-154	1/3	Z
ROLC30	IO	11-036-155	11-036-155	1/3	Z
R0003R15	IO	11-036-156	11-036-156	1/3	Z
TOLC16	IO	11-036-041	11-036-041	1/3	Z
TOLC17	IO	11-036-042	11-036-042	1/3	Z
TOLC18	IO	11-036-043	11-036-043	1/3	Z
TOLC19	IO	11-036-044	11-036-044	1/3	Z
TOLC20	IO	11-036-045	11-036-045	1/3	Z
TOLC21	IO	11-036-046	11-036-046	1/3	Z
TOLC22	IO	11-036-047	11-036-047	1/3	Z
TOLC23	IO	11-036-048	11-036-048	1/3	Z
TOLC24	IO	11-036-049	11-036-049	1/3	Z
TOLC25	IO	11-036-050	11-036-050	1/3	Z
TOLC26	IO	11-036-051	11-036-051	1/3	Z
TOLC27	IO	11-036-052	11-036-052	1/3	Z
TOLC28	IO	11-036-053	11-036-053	1/3	Z
TOLC29	IO	11-036-054	11-036-054	1/3	Z
TOLC30	IO	11-036-055	11-036-055	1/3	Z
T0003T15	IO	11-036-056	06-035B-007	1/10	Z

ELEMENT IDENTIFIER
04

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
R1LC16	IO	11-030B-145	11-030B-145	1/4	Z
R1LC17	IO	11-030B-146	11-030B-146	1/4	Z
R1LC18	IO	11-030B-147	11-030B-147	1/4	Z
R1LC19	IO	11-030B-148	11-030B-148	1/4	Z
R1LC20	IO	11-030B-149	11-030B-149	1/4	Z
R1LC21	IO	11-030B-150	11-030B-150	1/4	Z
R1LC22	IO	11-030B-151	11-030B-151	1/4	Z
R1LC23	IO	11-030B-152	11-030B-152	1/4	Z
R1LC24	IO	11-030B-153	11-030B-153	1/4	Z
R1LC25	IO	11-030B-154	11-030B-154	1/4	Z
R1LC26	IO	11-030B-155	11-030B-155	1/4	Z
R1LC27	IO	11-030B-156	11-030B-156	1/4	Z
R1LC28	IO	11-030B-157	11-030B-157	1/4	Z
R1LC29	IO	11-030B-158	11-030B-158	1/4	Z
R1LC30	IO	11-030B-159	11-030B-159	1/4	Z
R1004R15	IO	11-030B-160	11-030B-160	1/4	Z
T1LC16	IO	11-030B-045	11-030B-045	1/4	Z
T1LC17	IO	11-030B-046	11-030B-046	1/4	Z
T1LC18	IO	11-030B-047	11-030B-047	1/4	Z
T1LC19	IO	11-030B-048	11-030B-048	1/4	Z
T1LC20	IO	11-030B-049	11-030B-049	1/4	Z
T1LC21	IO	11-030B-050	11-030B-050	1/4	Z
T1LC22	IO	11-030B-051	11-030B-051	1/4	Z
T1LC23	IO	11-030B-052	11-030B-052	1/4	Z
T1LC24	IO	11-030B-053	11-030B-053	1/4	Z
T1LC25	IO	11-030B-054	11-030B-054	1/4	Z
T1LC26	IO	11-030B-055	11-030B-055	1/4	Z
T1LC27	IO	11-030B-056	11-030B-056	1/4	Z
T1LC28	IO	11-030B-057	11-030B-057	1/4	Z
T1LC29	IO	11-030B-058	11-030B-058	1/4	Z
T1LC30	IO	11-030B-059	11-030B-059	1/4	Z
T1004T15	IO	11-030B-060	06-035B-009	1/10	Z

ELEMENT IDENTIFIER
05

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROGBH	IO	11-040-056	11-040-056	1/5	Z
ROGBL	IO	11-040-053	11-040-053	1/5	Z
R1GBH	IO	11-040-055	11-040-055	1/5	Z
R1GBL	IO	11-040-052	11-040-052	1/5	Z
T0GBH	IO	11-040-156	11-040-156	1/5	Z
T0GBL	IO	11-040-153	11-040-153	1/5	Z
T1GBH	IO	11-040-155	11-040-155	1/5	Z
T1GBL	IO	11-040-152	11-040-152	1/5	Z
O0SPR0R0	IO	11-040-051	11-040-051	1/5	Z
O0SPR0R1	IO	11-040-058	11-040-058	1/5	Z
O0SPR0T0	IO	11-040-151	06-038A-100	1/9	Z
O0SPR0T1	IO	11-040-158	06-038B-107	1/11	Z
O0SPR1R0	IO	11-040-050	11-040-050	1/5	Z
O0SPR1R1	IO	11-040-057	06-038B-110	1/11	Z
O0SPR1T0	IO	11-040-150	11-040-150	1/5	Z
O0SPR1T1	IO	11-040-157	11-040-157	1/5	Z
48ALM1	IO	11-040-061	11-040-061	1/5	Z
48ALM2	IO	11-040-061	11-040-061	1/5	Z

ELEMENT IDENTIFIER
06

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
CLK0W	IO	11-042-041	11-042-041	1/6	Z
CLK0P	IO	11-042-141	11-042-141	1/6	Z
CLK1N	IO	11-042-035	11-042-035	1/6	Z
CLK1P	IO	11-042-135	11-042-135	1/6	Z
DN0N	IO	11-042-044	11-042-044	1/6	Z
DN0P	IO	11-042-144	11-042-144	1/6	Z
DN1N	IO	11-042-038	11-042-038	1/6	Z
DN1P	IO	11-042-138	11-042-138	1/6	Z
DUT0N	IO	11-042-045	11-042-045	1/6	Z
DUT0P	IO	11-042-145	11-042-145	1/6	Z
DUT1N	IO	11-042-039	11-042-039	1/6	Z
DUT1P	IO	11-042-139	11-042-139	1/6	Z
FAN000	IO	11-042-040	11-030A-034	2/1	Z
FAN001	IO	11-042-046	11-042-046	1/6	Z
FAN100	IO	11-042-140	11-042-140	1/6	Z
FAN101	IO	11-042-146	11-042-146	1/6	Z
SEL0N	IO	11-042-043	11-042-043	1/6	Z
SEL0P	IO	11-042-143	11-042-143	1/6	Z
SEL1N	IO	11-042-037	11-042-037	1/6	Z
SEL1P	IO	11-042-137	11-042-137	1/6	Z
SYN0N	IO	11-042-042	11-042-042	1/6	Z
SYN0P	IO	11-042-142	11-042-142	1/6	Z
SYN1N	IO	11-042-036	11-042-036	1/6	Z
SYN1P	IO	11-042-136	11-042-136	1/6	Z

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INTEGRATED SERVICES LINE UNIT-
DRAWER

DWG SIZE
C

ISSUE
1

AT&T
BELL LABORATORIES

SD-5D090-01

GB2

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER
07

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
-4BRTN	G	07-042-116	07-042-102	1/7	Z
-4BRTN	G	07-042-115	07-042-102	1/7	Z
-4BRTN	G	07-042-114	07-042-102	1/7	Z
-4BRTN	G	07-042-113	07-042-102	1/7	Z
-4BRTN	G	07-042-112	07-042-102	1/7	Z
-4BRTN	G	07-042-111	07-042-102	1/7	Z
-4BRTN	G	07-042-110	07-042-102	1/7	Z
-4BRTN	G	07-042-109	07-042-102	1/7	Z
-4BRTN	G	07-042-108	07-042-102	1/7	Z
-4BRTN	G	07-042-107	07-042-102	1/7	Z
-4BRTN	G	07-042-106	07-042-102	1/7	Z
-4BRTN	G	07-042-105	07-042-102	1/7	Z
-4BRTN	G	07-042-104	07-042-102	1/7	Z
-4BRTN	G	07-042-103	07-042-102	1/7	Z
-4BRTN	G	07-042-102	07-042-102	1/7	Z
-48V	P	07-042-016	07-042-002	1/7	Z
-48V	P	07-042-015	07-042-002	1/7	Z
-48V	P	07-042-014	07-042-002	1/7	Z
-48V	P	07-042-013	07-042-002	1/7	Z
-48V	P	07-042-012	07-042-002	1/7	Z
-48V	P	07-042-011	07-042-002	1/7	Z
-48V	P	07-042-010	07-042-002	1/7	Z
-48V	P	07-042-009	07-042-002	1/7	Z
-48V	P	07-042-008	07-042-002	1/7	Z
-48V	P	07-042-007	07-042-002	1/7	Z
-48V	P	07-042-006	07-042-002	1/7	Z
-48V	P	07-042-005	07-042-002	1/7	Z
-48V	P	07-042-004	07-042-002	1/7	Z
-48V	P	07-042-003	07-042-002	1/7	Z
-48V	P	07-042-002	07-042-002	1/7	Z

ELEMENT IDENTIFIER
08

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC15	ID	06-035A-001	06-038A-101	1/10	Z
R1LC15	ID	06-035A-003	06-035A-003	1/8	Z
TOLC15	ID	06-035A-000	06-035A-000	1/8	Z
T1LC15	ID	06-035A-002	06-038A-102	1/10	Z
OOSPROR0	ID	06-035A-101	11-040-051	1/5	Z
OOSPROT0	ID	06-035A-100	06-035A-100	1/8	Z
OOSPR1R0	ID	06-035A-103	11-040-050	1/5	Z
OOSPR1T0	ID	06-035A-102	11-040-150	1/5	Z

ELEMENT IDENTIFIER
09

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC15	ID	06-038A-101	06-038A-101	1/10	Z
R0001R15	ID	06-038A-001	06-038A-001	1/10	Z
R1LC15	ID	06-038A-103	06-035A-003	1/8	Z
R1002R15	ID	06-038A-003	06-038A-003	1/10	Z
TOLC15	ID	06-038A-100	06-035A-000	1/8	Z
T0001T15	ID	06-038A-000	06-038A-000	1/10	Z
T1LC15	ID	06-038A-102	06-038A-102	1/10	Z
T1002T15	ID	06-038A-002	06-038A-002	1/10	Z

ELEMENT IDENTIFIER
10

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC31	ID	06-035B-008	06-038B-108	1/11	Z
R1LC31	ID	06-035B-010	06-035B-010	1/9	Z
TOLC31	ID	06-035B-007	06-035B-007	1/9	Z
T1LC31	ID	06-035B-009	06-035B-009	1/9	Z
OOSPROR1	ID	06-035B-108	11-040-058	1/5	Z
OOSPROT1	ID	06-035B-107	06-035B-107	1/9	Z
OOSPR1R1	ID	06-035B-110	06-035B-110	1/9	Z
OOSPR1T1	ID	06-035B-109	11-040-157	1/5	Z

ELEMENT IDENTIFIER
11

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC31	ID	06-038B-108	06-038B-108	1/11	Z
R0003R15	ID	06-038B-008	11-036-156	1/3	Z
R1LC31	ID	06-038B-110	06-035B-010	1/9	Z
R1004R15	ID	06-038B-010	11-030B-160	1/4	Z
TOLC31	ID	06-038B-107	06-035B-007	1/9	Z
T0003T15	ID	06-038B-007	06-038B-007	1/11	Z
T1LC31	ID	06-038B-109	06-035B-009	1/9	Z
T1004T15	ID	06-038B-009	06-035B-009	1/11	Z

ELEMENT IDENTIFIER
12

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC0	ID	07-199-103	07-199-103	1/46	Y
ROLC1	ID	07-199-104	07-199-104	1/46	Y
ROLC10	ID	07-199-113	07-199-113	1/46	Y
ROLC11	ID	07-199-114	07-199-114	1/46	Y
ROLC12	ID	07-199-115	07-199-115	1/46	Y
ROLC13	ID	07-199-116	07-199-116	1/46	Y
ROLC14	ID	07-199-117	07-199-117	1/46	Y
ROLC2	ID	07-199-105	07-199-105	1/46	Y
ROLC3	ID	07-199-106	07-199-106	1/46	Y
ROLC4	ID	07-199-107	07-199-107	1/46	Y
ROLC5	ID	07-199-108	07-199-108	1/46	Y
ROLC6	ID	07-199-109	07-199-109	1/46	Y
ROLC7	ID	07-199-110	07-199-110	1/46	Y
ROLC8	ID	07-199-111	07-199-111	1/46	Y
ROLC9	ID	07-199-112	07-199-112	1/46	Y

ELEMENT IDENTIFIER
13

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
R0001R15	ID	07-199-118	07-199-118	1/46	Y
TOLC0	ID	07-199-003	07-199-003	1/46	Y
TOLC1	ID	07-199-004	07-199-004	1/46	Y
TOLC10	ID	07-199-013	07-199-013	1/46	Y
TOLC11	ID	07-199-014	07-199-014	1/46	Y
TOLC12	ID	07-199-015	07-199-015	1/46	Y
TOLC13	ID	07-199-016	07-199-016	1/46	Y
TOLC14	ID	07-199-017	07-199-017	1/46	Y
TOLC2	ID	07-199-005	07-199-005	1/46	Y
TOLC3	ID	07-199-006	07-199-006	1/46	Y
TOLC4	ID	07-199-007	07-199-007	1/46	Y
TOLC5	ID	07-199-008	07-199-008	1/46	Y
TOLC6	ID	07-199-009	07-199-009	1/46	Y
TOLC7	ID	07-199-010	07-199-010	1/46	Y
TOLC8	ID	07-199-011	07-199-011	1/46	Y
TOLC9	ID	07-199-012	07-199-012	1/46	Y
T0001T15	ID	07-199-018	07-199-018	1/46	Y

ELEMENT IDENTIFIER
15

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
R1LC0	ID	08-193-117	08-193-117	1/47	Y
R1LC1	ID	08-193-118	08-193-118	1/47	Y
R1LC10	ID	08-193-127	08-193-127	1/47	Y
R1LC11	ID	08-193-128	08-193-128	1/47	Y
R1LC12	ID	08-193-129	08-193-129	1/47	Y
R1LC13	ID	08-193-130	08-193-130	1/47	Y
R1LC14	ID	08-193-131	08-193-131	1/47	Y
R1LC2	ID	08-193-119	08-193-119	1/47	Y
R1LC3	ID	08-193-120	08-193-120	1/47	Y
R1LC4	ID	08-193-121	08-193-121	1/47	Y
R1LC5	ID	08-193-122	08-193-122	1/47	Y
R1LC6	ID	08-193-123	08-193-123	1/47	Y
R1LC7	ID	08-193-124	08-193-124	1/47	Y
R1LC8	ID	08-193-125	08-193-125	1/47	Y
R1LC9	ID	08-193-126	08-193-126	1/47	Y
R1002R15	ID	08-193-132	08-193-132	1/47	Y
T1LC0	ID	08-193-017	08-193-017	1/47	Y
T1LC1	ID	08-193-018	08-193-018	1/47	Y
T1LC10	ID	08-193-027	08-193-027	1/47	Y
T1LC11	ID	08-193-028	08-193-028	1/47	Y
T1LC12	ID	08-193-029	08-193-029	1/47	Y

ELEMENT IDENTIFIER (CONT)
13

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
T1LC13	ID	08-193-030	08-193-030	1/47	Y
T1LC14	ID	08-193-031	08-193-031	1/47	Y
T1LC2	ID	08-193-019	08-193-019	1/47	Y
T1LC3	ID	08-193-020	08-193-020	1/47	Y
T1LC4	ID	08-193-021	08-193-021	1/47	Y
T1LC5	ID	08-193-022	08-193-022	1/47	Y
T1LC6	ID	08-193-023	08-193-023	1/47	Y
T1LC7	ID	08-193-024	08-193-024	1/47	Y
T1LC8	ID	08-193-025	08-193-025	1/47	Y
T1LC9	ID	08-193-026	08-193-026	1/47	Y
T1002T15	ID	08-193-032	08-193-032	1/47	Y

ELEMENT IDENTIFIER
14

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLC16	ID	11-193-141	11-193-141	1/48	Y
ROLC17	ID	11-193-142	11-193-142	1/48	Y
ROLC18	ID	11-193-143	11-193-143	1/48	Y
ROLC19	ID	11-193-144	11-193-144	1/48	Y
ROLC20	ID	11-193-145	11-193-145	1/48	Y
ROLC21	ID	11-193-146	11-193-146	1/48	Y
ROLC22	ID	11-193-147	11-193-147	1/48	Y
ROLC23	ID	11-193-148	11-193-148	1/48	Y
ROLC24	ID	11-193-149	11-193-149	1/48	Y
ROLC25	ID	11-193-150	11-193-150	1/48	Y
ROLC26	ID	11-193-151	11-193-151	1/48	Y
ROLC27	ID	11-193-152	11-193-152	1/48	Y
ROLC28	ID	11-193-153	11-193-153	1/48	Y
ROLC29	ID	11-193-154	11-193-154	1/48	Y
ROLC30	ID	11-193-155	11-193-155	1/48	Y
R0003R15	ID	11-193-156	11-193-156	1/48	Y
TOLC16	ID	11-193-041	11-193-041	1/48	Y
TOLC17	ID	11-193-042	11-193-042	1/48	Y
TOLC18	ID	11-193-043	11-193-043	1/48	Y
TOLC19	ID	11-193-044	11-193-044	1/48	Y
TOLC20	ID	11-193-045	11-193-045	1/48	Y
TOLC21	ID	11-193-046	11-193-046	1/48	Y
TOLC22	ID	11-193-047	11-193-047	1/48	Y
TOLC23	ID	11-193-048	11-193-048	1/48	Y
TOLC24	ID	11-193-049	11-193-049	1/48	Y
TOLC25	ID	11-193-050	11-193-050	1/48	Y
TOLC26	ID	11-193-051	11-193-051	1/48	Y
TOLC27	ID	11-193-052	11-193-052	1/48	Y
TOLC28	ID	11-193-053	11-193-053	1/48	Y
TOLC29	ID	11-193-054	11-193-054	1/48	Y
TOLC30	ID	11-193-055	11-193-055	1/48	Y
T0003T15	ID	11-193-056	11-193-056	1/48	Y

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INTEGRATED SERVICES LINE UNIT-DRAWER

DWG SIZE: 2
ISSUE: 20

AT&T BELL LABORATORIES SD-5D090-01 GB3

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER
15

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
R1LC16	ID	11-1998-045	11-1998-045	1/49	Y
R1LC17	ID	11-1998-046	11-1998-046	1/49	Y
R1LC18	ID	11-1998-047	11-1998-047	1/49	Y
R1LC19	ID	11-1998-048	11-1998-048	1/49	Y
R1LC20	ID	11-1998-049	11-1998-049	1/49	Y
R1LC21	ID	11-1998-050	11-1998-050	1/49	Y
R1LC22	ID	11-1998-051	11-1998-051	1/49	Y
R1LC23	ID	11-1998-052	11-1998-052	1/49	Y
R1LC24	ID	11-1998-053	11-1998-053	1/49	Y
R1LC25	ID	11-1998-054	11-1998-054	1/49	Y
R1LC26	ID	11-1998-055	11-1998-055	1/49	Y
R1LC27	ID	11-1998-056	11-1998-056	1/49	Y
R1LC28	ID	11-1998-057	11-1998-057	1/49	Y
R1LC29	ID	11-1998-058	11-1998-058	1/49	Y
R1LC30	ID	11-1998-059	11-1998-059	1/49	Y
R1004R15	ID	11-1998-060	06-1948-010	1/56	Y
T1LC16	ID	11-1998-145	11-1998-145	1/49	Y
T1LC17	ID	11-1998-146	11-1998-146	1/49	Y
T1LC18	ID	11-1998-147	11-1998-147	1/49	Y
T1LC19	ID	11-1998-148	11-1998-148	1/49	Y
T1LC20	ID	11-1998-149	11-1998-149	1/49	Y
T1LC21	ID	11-1998-150	11-1998-150	1/49	Y
T1LC22	ID	11-1998-151	11-1998-151	1/49	Y
T1LC23	ID	11-1998-152	11-1998-152	1/49	Y
T1LC24	ID	11-1998-153	11-1998-153	1/49	Y
T1LC25	ID	11-1998-154	11-1998-154	1/49	Y
T1LC26	ID	11-1998-155	11-1998-155	1/49	Y
T1LC27	ID	11-1998-156	11-1998-156	1/49	Y
T1LC28	ID	11-1998-157	11-1998-157	1/49	Y
T1LC29	ID	11-1998-158	11-1998-158	1/49	Y
T1LC30	ID	11-1998-159	11-1998-159	1/49	Y
T1004T15	ID	11-1998-160	06-1948-009	1/56	Y

ELEMENT IDENTIFIER
16

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROGBH	ID	11-189-056	11-189-056	1/50	Y
ROGBL	ID	11-189-053	11-189-053	1/50	Y
R1GBH	ID	11-189-055	11-189-055	1/50	Y
R1GBL	ID	11-189-052	11-189-052	1/50	Y
TOGBH	ID	11-189-156	11-189-156	1/50	Y
TOGBL	ID	11-189-153	11-189-153	1/50	Y
T1GBH	ID	11-189-155	11-189-155	1/50	Y
T1GBL	ID	11-189-152	11-189-152	1/50	Y
OOSPRORO	ID	11-189-051	11-189-051	1/50	Y
OOSPROR1	ID	11-189-058	06-1918-108	1/54	Y
OOSPROTC	ID	11-189-151	11-189-151	1/50	Y
OOSPROT1	ID	11-189-158	06-1918-107	1/54	Y
OOSPR1R0	ID	11-189-050	06-191A-103	1/53	Y
OOSPR1R1	ID	11-189-057	06-1918-110	1/54	Y
OOSPR1T0	ID	11-189-150	06-191A-102	1/53	Y
OOSPR1T1	ID	11-189-157	06-1918-109	1/54	Y
48ALM1	ID	11-189-161	11-189-161	1/50	Y
48ALM2	ID	11-189-061	11-189-061	1/50	Y

ELEMENT IDENTIFIER
17

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
CLKON	ID	11-187-040	11-187-040	1/51	Y
CLKOP	ID	11-187-140	11-187-140	1/51	Y
CLK1N	ID	11-187-035	11-187-035	1/51	Y
CLK1P	ID	11-187-135	11-187-135	1/51	Y
DNON	ID	11-187-043	11-187-043	1/51	Y
DNOP	ID	11-187-143	11-187-143	1/51	Y
DN1N	ID	11-187-038	11-187-038	1/51	Y
DN1P	ID	11-187-138	11-187-138	1/51	Y
DUTON	ID	11-187-044	11-187-044	1/51	Y
DUTOP	ID	11-187-144	11-187-144	1/51	Y
DUT1N	ID	11-187-039	11-187-039	1/51	Y
DUT1P	ID	11-187-139	11-187-139	1/51	Y
SELON	ID	11-187-042	11-187-042	1/51	Y
SELOP	ID	11-187-142	11-187-142	1/51	Y
SEL1N	ID	11-187-037	11-187-037	1/51	Y
SEL1P	ID	11-187-137	11-187-137	1/51	Y
SYNCON	ID	11-187-041	11-187-041	1/51	Y
SYNCOF	ID	11-187-141	11-187-141	1/51	Y
SYNCTN	ID	11-187-036	11-187-036	1/51	Y
SYNCTP	ID	11-187-136	11-187-136	1/51	Y

ELEMENT IDENTIFIER
18

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
-48RTN	G	07-187-115	07-187-103	1/52	Y
-48RTN	G	07-187-113	07-187-103	1/52	Y
-48RTN	G	07-187-111	07-187-103	1/52	Y
-48RTN	G	07-187-109	07-187-103	1/52	Y
-48RTN	G	07-187-107	07-187-103	1/52	Y
-48RTN	G	07-187-103	07-187-103	1/52	Y
-48RTN	G	07-187-105	07-187-103	1/52	Y
-48RTN	G	07-187-116	07-187-103	1/52	Y
-48RTN	G	07-187-114	07-187-103	1/52	Y
-48RTN	G	07-187-112	07-187-103	1/52	Y
-48RTN	G	07-187-110	07-187-103	1/52	Y
-48RTN	G	07-187-108	07-187-103	1/52	Y
-48RTN	G	07-187-102	07-187-103	1/52	Y
-48RTN	G	07-187-106	07-187-103	1/52	Y
-48RTN	G	07-187-104	07-187-103	1/52	Y
-48V	P	07-187-003	07-187-011	1/52	Y
-48V	P	07-187-007	07-187-011	1/52	Y
-48V	P	07-187-005	07-187-011	1/52	Y
-48V	P	07-187-011	07-187-011	1/52	Y
-48V	P	07-187-009	07-187-011	1/52	Y
-48V	P	07-187-010	07-187-011	1/52	Y
-48V	P	07-187-008	07-187-011	1/52	Y
-48V	P	07-187-006	07-187-011	1/52	Y
-48V	P	07-187-002	07-187-011	1/52	Y
-48V	P	07-187-004	07-187-011	1/52	Y
-48V	P	07-187-015	07-187-011	1/52	Y
-48V	P	07-187-013	07-187-011	1/52	Y
-48V	P	07-187-016	07-187-011	1/52	Y
-48V	P	07-187-014	07-187-011	1/52	Y
-48V	P	07-187-012	07-187-011	1/52	Y

ELEMENT IDENTIFIER
19

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLIC15	ID	06-191A-001	06-191A-001	1/53	Y
RILC15	ID	06-191A-003	06-194A-103	1/55	Y
TOLC15	ID	06-191A-000	06-191A-000	1/53	Y
T1LC15	ID	06-191A-002	06-191A-002	1/53	Y
OOSPROR0	ID	06-191A-101	11-189-051	1/50	Y
OOSPROT0	ID	06-191A-100	11-189-151	1/50	Y
OOSPR1R0	ID	06-191A-103	06-191A-103	1/53	Y
OOSPR1T0	ID	06-191A-102	06-191A-102	1/53	Y

ELEMENT IDENTIFIER
20

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLIC15	ID	06-194A-101	06-191A-001	1/53	Y
R0001R15	ID	06-194A-001	07-199-118	1/46	Y
R1LC15	ID	06-194A-103	06-194A-103	1/55	Y
R1002R15	ID	06-194A-003	08-193-132	1/47	Y
TOLC15	ID	06-194A-100	06-191A-000	1/53	Y
T0001T15	ID	06-194A-000	07-199-018	1/46	Y
T1LC15	ID	06-194A-102	06-191A-002	1/53	Y
T1002T15	ID	06-194A-002	08-193-032	1/47	Y

ELEMENT IDENTIFIER
21

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLIC31	ID	06-1918-008	06-1918-008	1/54	Y
R1LC31	ID	06-1918-010	06-1918-010	1/54	Y
TOLC31	ID	06-1918-007	06-1918-007	1/54	Y
T1LC31	ID	06-1918-009	06-1948-109	1/56	Y
OOSPROR1	ID	06-1918-108	06-1918-108	1/54	Y
OOSPROT1	ID	06-1918-107	06-1918-107	1/54	Y
OOSPR1R1	ID	06-1918-110	06-1918-110	1/54	Y
OOSPR1T1	ID	06-1918-109	06-1918-109	1/54	Y

ELEMENT IDENTIFIER
22

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
ROLIC31	ID	06-1948-108	06-1918-008	1/54	Y
R0003R15	ID	06-1948-008	11-193-156	1/48	Y
R1LC31	ID	06-1948-110	06-1918-010	1/54	Y
R1004R15	ID	06-1948-010	06-1948-010	1/56	Y
TOLC31	ID	06-1948-107	06-1918-007	1/54	Y
T0003T15	ID	06-1948-007	11-193-056	1/48	Y
T1LC31	ID	06-1948-109	06-1948-109	1/56	Y
T1004T15	ID	06-1948-009	06-1948-009	1/56	Y

ELEMENT IDENTIFIER
23

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
+5VHA	P	11-030A-136	11-030A-136	2/1	Z
+5VHA	P	11-030A-036	11-030A-136	2/1	Z
-48RTN	G	11-030A-138	07-042-102	1/7	Z
-48V	P	11-030A-038	07-042-002	1/7	Z
FAN000	ID	11-030A-034	11-030A-034	2/1	Z
FAN001	ID	11-030A-035	11-042-046	1/6	Z
FAN100	ID	11-030A-134	11-042-140	1/6	Z
FAN101	ID	11-030A-135	11-042-146	1/6	Z

ELEMENT IDENTIFIER
24

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
-48RTN	G	11-199A-138	07-187-103	1/52	Y
-48V	P	11-199A-038	07-187-011	1/52	Y

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